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APPENDIX 1: FLORA DATA FOR SITE

Scientific Name	Common Name
Trees:	
<i>Acacia irrorata</i>	Wattle
<i>Acmena smithii</i>	Lilly Pilly
[^] <i>Araucaria bidwilli</i>	Bunya Pine
<i>Backhousia myrtifolia</i>	Grey Myrtle
<i>Brachychiton acerifolius</i>	Flame Tree
[*] <i>Camphora cinnamomum</i>	Camphor Laurel
<i>Ceratopetalum gummiferum</i>	Christmas Bush
<i>Commersonia fraseri</i>	Brush Kurrajong
[^] <i>Corymbia maculata</i>	Spotted Gum
<i>Croton vereauxii</i>	Native cascarilla
<i>Cryptocarya obovata</i>	Pepperberry Tree
<i>Doryphora sassafras</i>	Sassafras
<i>Duboisia myoporoides</i>	Corkwood
[*] <i>Erythrina sykesii</i>	Coral Tree
<i>Eleocarpus reticulatus</i>	Blueberry Ash
<i>Eucalyptus deanei</i>	Mountain Blue Gum
[^] <i>Eucalyptus microcorys</i>	Tallowood
[^] <i>Eucalyptus saligna</i>	Blue Gum
[^] <i>Eucalyptus spp</i>	Similar to Forest Red Gum
<i>Ficus coronata</i>	Sandpaper fig
<i>Glochidion ferdinandi</i>	Cheese tree
<i>Guioa semiglauc</i>	Guioa
<i>Hymenosporum flavum</i>	Native Frangipani
<i>Melaleuca stypheloides</i>	Prickly leaved Paperbark
<i>Melicope micrococca</i>	Hairy leaved Doughwood
[^] <i>Pinus spp</i>	Pine tree
<i>Pittosporum undulatum</i>	Sweet pittosporum
<i>Symplocos thwaitesii</i>	Buff Hazelwood
<i>Syncarpia glomulifera</i>	Turpentine
Shrubs and understorey:	
<i>Acacia longifolia</i>	Coastal wattle
<i>Acacia maidenii</i>	Maidens Wattle
<i>Dichondra repens</i>	Kidney weed
<i>Eupomatia laurina</i>	Bolwarra
<i>Ficus coronata</i>	Sandpaper Fig
<i>Gymnostachys anceps</i>	Settlers Flax
<i>Lepidosperma laterale</i>	Variable sword sedge
<i>Lomandra longifolia</i>	Spiny Headed Mat Rush
<i>Pratia purpurascens</i>	Pratia

<i>Pittosporum undulatum</i>	
<i>Pseuderanthemum variabile</i>	Pastel Flower
<i>Rhodamnia rubescens</i>	Scrub turpentine
Grasses	
<i>Entolasia marginata</i>	Margined Panic Grass, Bordered Panic
Ferns:	
<i>Adiantum formosum</i>	Giant Maidenhair fern
<i>Blechnum cartilagineum</i>	Gristle Fern
<i>Calochlaena dubia</i>	Soft Fern
[^] <i>Cyathea</i> spp	Tree Fern
<i>Doodia aspera</i>	
<i>Hypolepis muelleri</i>	Harsh Ground Fern
<i>Livistona australis</i>	Cabbage tree palm
[^] <i>Macrozamia communis</i>	Burrawang
<i>Pteridium esculentum</i>	Bracken
<i>Pteris tremula</i>	Tender Brake
Sedges and water plants	
<i>Carex</i> spp	Tussock Sedge
<i>Cyperus polystachyos</i>	
<i>Juncus usitatus</i>	Common Rush
Vines and scramblers:	
<i>Cissus antarctica</i>	Kangaroo grape
<i>Commelina cyanea</i>	Scurvy weed
<i>Kennedia rubicunda</i>	Running Postman
<i>Rubus nebulosus</i>	Bush lawyer
<i>Smilax australis</i>	Lawyer Vine
<i>Stephania japonica</i> var <i>discolor</i>	Snake Vine
<i>Trophis scandens</i> subsp <i>scandens</i>	Burny Vine
Orchids/epiphytes:	
<i>Asplenium australasicum</i>	Birds nest fern
<i>Platyserium bifurcatum</i>	Elkhorn Fern
Weeds (excluding trees)	
* <i>Acetosa sagittata</i>	Rambling dock
* <i>Anagallis arvensis</i>	Scarlet pimpernel

* <i>Asparagus aethiopicus</i>	Asparagus fern
* <i>Axonopus affinis</i>	Narrow leaf carpet grass
* <i>Bambusa spp</i>	Bamboo
* <i>Bidens pilosa</i>	Cobblers Pegs
* <i>Briza minor</i>	Shivery grass
* <i>Briza maxima</i>	Blowfly grass
* <i>Bromus catharticus</i>	Prairie grass
* <i>Cerastium glomeratum</i>	Mouse- ear chickweed
* (4) <i>Cirsium vulgare</i>	Scotch thistle
* <i>Conyza albida</i>	Tall fleabane
* <i>Crepis capillaris</i>	Smooth Hawkesbeard
* <i>Crassocephalum crepidiodes</i>	Thickhead
* <i>Cyperus rotundus?</i>	
* <i>Buddleja davidii</i>	Butterfly Bush
* <i>Digitaria ditactyla</i>	Couch
* <i>Ehrharta erecta</i>	Panic or African Veldt grass
* <i>Fumaria muralis subsp muralis</i>	Wall Fumitory
* <i>Geranium molle</i>	Doves Foot Cranebill
* <i>Gnaphalium sphaericum</i>	Common cudweed
* <i>Hedera helix</i>	Ivy
* <i>Hypochoeris radicata</i>	Flatweed
* <i>Jasminum polyanthum</i>	Jasmine
** (5) <i>Lantana camara</i>	Lantana
* <i>Ligustrum sinense</i>	Small leafed privet
* <i>Ligustrum lucidum</i>	Broad leaved Privet
* <i>Lonicera japonica</i>	Japanese honeysuckle
* <i>Monstera deliciosa</i>	Monstera
* <i>Morus alba</i>	Mulberry
* <i>Paspalum dilatatum</i>	Paspalum
* <i>Passiflora edulis</i>	Passionfruit vine
* <i>Pennisetum clandestinum</i>	Kikuyu
* <i>Photinia spp</i>	Photinia
* <i>Plantago lanceolata</i>	Lambs tongue
* <i>Prunus spp</i>	Fruit tree
* <i>Ranunculus scleretatus</i>	Buttercup
* <i>Richardia stellaris</i>	Field Madder
* <i>Ricinus communis</i>	Castor Oil Plant
** (4) <i>Rubus anglocandicans</i>	Blackberry
* <i>Rumex brownii</i>	Swamp Dock
* <i>Senecio madagascariensis</i>	Fireweed
* <i>Senna pendula</i>	Cassia
* <i>Sida rhombifolia</i>	Paddy's lucerne
* <i>Solanum mauritianum</i>	Tobacco bush
* <i>Solanum nigrum</i>	Deadly/Blackberry nightshade
* <i>Sonchus oleraceus</i>	Common sowthistle
* <i>Thunbergia alata</i>	Black eyed susan
* <i>Tradescantia albiflora</i>	Wandering jew

* <i>Trifolium dubium</i>	Yellow suckling clover
* <i>Trifolium repens</i>	White clover
* <i>Verbena bonariensis</i>	Purple top
* <i>Veronica arvensis</i>	Wall Speedwell
* <i>Vicia sativa</i>	Common vetch
^ Assorted garden plantings including White Cedar, Palms, Hibiscus type vine, etc	
# Threatened species	
** Noxious weed -(4) Class - Wyong Shire	
* Weed	

APPENDIX 2: FAUNA DATA FOR SITE**COMMON NAME**

The following birds were observed, or heard either on or near the subject site, including flying overhead (common bird names from Pizzey & Knight, 1997):

Bell Miner and associated Eucalypt dieback

Red Browed Firetail

Little Eagle

Little Wattlebird

Grey Fantail

Rainbow lorikeet - overhead

Eastern Rosella

Catbird?

Lewins Honeyeater

Welcome Swallow

Sulphur Crested Cockatoo

Whip Bird

Eastern Yellow Robin

Plover /Masked Lapwing

Other fauna observed, or heard from calls/scats/footprints/scratch marks were:

Brush tailed / or Ring tailed possum – scratch marks on tree

Wombat (active burrows)

Garden skink

No frogs heard, no plague minnow seen

Listed under EPBC Act.

* Listed under TSC Act

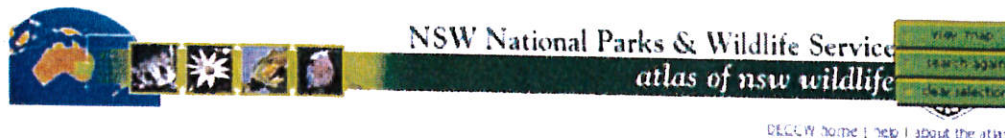
+ Exotic species

APPENDIX 3: THREATENED SPECIES SEARCH RESULT (Over a 10 kilometre radius – NSW Wildlife Atlas).

Note this does not necessarily mean these species are found on the site.

NPWS - Atlas of NSW Wildlife

<http://wildlifeatlas.nationalparks.nsw.gov.au/wildlifeatlas/watlasSpecies>



Search Results

Your selection: Fauna, threatened species, Selected Area: 151.20000, -33.38000, 151.47000, -33.25000
returned a total of 924 records of 63 species.

Report generated on 18/10/10 16:19 (Data valid to 25/04/2010)

Choose up to 3 species to map. * Exotic (non-native) species				
Amphibia	Map	Scientific Name	Common Name	Legal Status Count Info
Hylidae				
	☐	Litoria aurea	Green and Golden Bell Frog	E1 12
	☐	Litoria brevipalmata	Green-thighed Frog	V 16
	☐	Litoria littlejohni	Littlejohn's Tree Frog	V 2
Myobatrachidae				
	☐	Crinia tinnula	Wallum Froglet	V 7
	☐	Heleioporus australiacus	Giant Burrowing Frog	V 46
	☐	Mixophyes balbus	Stuttering Frog	E1 58
	☐	Pseudophryne australis	Red-crowned Toadlet	V 34
Aves	Map	Scientific Name	Common Name	Legal Status Count Info
Acanthizidae				
	☐	Pyrrholaemus sagittatus	Speckled Warbler	V 1
Accipitridae				
	☐	Hieraaetus morphnoides	Little Eagle	V 7
	☐	Lophoictinia isura	Square-tailed Kite	V 1
	☐	Pandion haliaetus	Osprey	V 5
Ardeidae				
	☐	Botaurus poiciloptilus	Australasian Bittern	V 6
	☐	Ixobrychus flavicollis	Black Bittern	V 20
Burhinidae				
	☐	Burhinus grallarius	Bush Stone-curlew	E1 2
Cacatuidae				
	☐	Callocephalon fimbriatum	Gang-gang Cockatoo	V 18
	☐	Calyptorhynchus lathami	Glossy Black-Cockatoo	V 40
Charadriidae				
	☐	Charadrius leschenaulti	Greater Sand-plover	V 1
Ciconiidae				
	☐	Ephippiorhynchus asiaticus	Black-necked Stork	E1 28
Climacteridae				
	☐	Climacteris picumnus	Brown Treecreeper	V 1
Columbidae				

	☐	<i>Ptilinopus magnificus</i>	Wompoo Fruit-Dove	V	1	
	☐	<i>Ptilinopus superbus</i>	Superb Fruit-Dove	V	1	
Haematopodidae						
	☐	<i>Haematopus longirostris</i>	Pied Oystercatcher	E1	16	
Jacaniidae						
	☐	<i>Irediparra gallinacea</i>	Comb-crested Jacana	V	3	
Laridae						
	☐	<i>Sterna albifrons</i>	Little Tern	E1	1	
Meliphagidae						
	☐	<i>Grantiella picta</i>	Painted Honeyeater	V	24	
	☐	<i>Xanthomyza phrygia</i>	Regent Honeyeater	E1	14	
Neosittidae						
	☐	<i>Daphoenositta chrysoptera</i>	Varied Sittella	V	15	
Petroicidae						
	☐	<i>Petroica boodang</i>	Scarlet Robin	V	1	
	☐	<i>Petroica phoenicea</i>	Flame Robin	V	1	
Pomatostomidae						
	☐	<i>Pomatostomus temporalis</i>	Grey-crowned Babbler (eastern subspecies)	V	1	
Procellariidae						
	☐	<i>Pterodroma leucoptera</i>	Gould's Petrel	V	1	
	☐	<i>Pterodroma neglecta</i>	Kermadec Petrel (west Pacific subspecies)	V	2	
	☐	<i>Pterodroma nigripennis</i>	Black-winged Petrel	V	1	
	☐	<i>Puffinus carneipes</i>	Flesh-footed Shearwater	V	1	
Psittacidae						
	☐	<i>Glossopsitta pusilla</i>	Little Lorikeet	V	8	
	☐	<i>Lathamus discolor</i>	Swift Parrot	E1	8	
Scolopacidae						
	☐	<i>Calidris tenuirostris</i>	Great Knot	V	9	
	☐	<i>Limosa limosa</i>	Black-tailed Godwit	V	1	
	☐	<i>Xenus cinereus</i>	Terek Sandpiper	V	3	
Strigidae						
	☐	<i>Ninox connivens</i>	Barking Owl	V	2	
	☐	<i>Ninox strenua</i>	Powerful Owl	V	59	
Tytonidae						
	☐	<i>Tyto novaehollandiae</i>	Masked Owl	V	21	
	☐	<i>Tyto tenebricosa</i>	Sooty Owl	V	44	
Insecta	Map	Scientific Name	Common Name	Legal Status	Count	Info
Petaluridae						
	☐	<i>Petalura gigantea</i>	Giant Dragonfly	E1	1	
Mammalia	Map	Scientific Name	Common Name	Legal Status	Count	Info
Burramyidae						
	☐	<i>Cercartetus nanus</i>	Eastern Pygmy-possum	V	4	

Dasyuridae	☐ Dasyurus maculatus	Spotted-tailed Quoll	V	20	
Emballonuridae	☐ Saccolaimus flaviventris	Yellow-bellied Sheath-tail-bat	V	2	
Macropodidae	☐ Macropus parma	Parma Wallaby	V	5	
Molossidae	☐ Mormopterus norfolkensis	Eastern Freetail-bat	V	17	
Petauridae	☐ Petaurus australis	Yellow-bellied Glider	V	81	
	☐ Petaurus norfolcensis	Squirrel Glider	V	38	
Phascogasteridae	☐ Phascogaster cinereus	Koala	V	14	
Potoroidae	☐ Potorous tridactylus	Long-nosed Potoroo	V	3	
Pteropodidae	☐ Pteropus poliocephalus	Grey-headed Flying-fox	V	20	
Vespertilionidae	☐ Chalinolobus dwyeri	Large-eared Pied Bat	V	2	
	☐ Falsistrellus tasmaniensis	Eastern False Pipistrelle	V	12	
	☐ Kerivoula papuensis	Golden-tipped Bat	V	13	
	☐ Miniopterus australis	Little Bentwing-bat	V	25	
	☐ Miniopterus schreibersii oceanensis	Eastern Bentwing-bat	V	50	
	☐ Myotis macropus	Southern Myotis	V	48	
	☐ Scotanax rueppellii	Greater Broad-nosed Bat	V	24	
Reptilia	Map Scientific Name	Common Name	Legal Status	Count	Info
Elapidae	☐ Hoplocephalus bitorquatus	Pale-headed Snake	V	1	
	☐ Hoplocephalus stephensii	Stephens' Banded Snake	V	1	

* Exotic (non-native) species

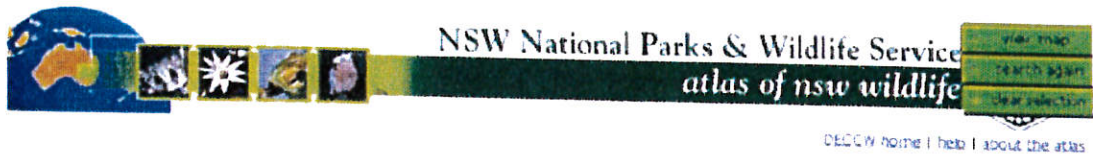
Choose up to 3 species to map.

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Search Results

Your selection: Flora, threatened species, Selected Area - 151.17000,-33.41000,151.53000,-33.25000
returned a total of 1130 records of 26 species.

Report generated on 18/10/10 - 16:09 (Data valid to 25/04/2010)

[view map](#)
[search again](#)
[clear selection](#)

Choose up to 3 species to map.

* Exotic (non-native) species

Plants	Map	Scientific Name	Common Name	Legal Status	Count	Info
Asteraceae	☐	Rutidosia heterogama	Heath Wrinklewort	V	1	
Dilleniaceae	☐	Hibbertia procumbens	Spreading Guinea Flower	E1	213	
Elaeocarpaceae	☐	Tetratheca glandulosa		V	63	
	☐	Tetratheca juncea	Black-eyed Susan	V	2	
Ericaceae	☐	Epacris purpurascens var. purpurascens		V	1	
Fabaceae (Caesalpiniaceae)	☐	Senna acclinis	Rainforest Cassia	E1	1	
Juncaginaceae	☐	Maundia triglochinoides		V	17	
Lamiaceae	☐	Prostanthera askania	Tranquility Mintbush	E1	85	
	☐	Prostanthera junonis	Somersby Mintbush	E1	401	
Myrtaceae	☐	Callistemon linearifolius	Netted Bottle Brush	V	1	
	☐	Darwinia biflora		V	1	
	☐	Darwinia glaucophylla		V	13	
	☐	Eucalyptus camfieldii	Heart-leaved Stringybark	V	19	
	☐	Eucalyptus oblonga	Eucalyptus oblonga population at Bateau Bay in the Wyong local government area	E2	2	
	☐	Eucalyptus parramattensis subsp. parramattensis	Eucalyptus parramattensis C. Hall. subsp. parramattensis in Wyong and Lake Macquarie local government areas	E2	1	
	☐	Eucalyptus pumila	Pokolbin Mallee	V	1	
	☐	Melaleuca biconvexa	Biconvex Paperbark	V	222	
	☐	Syzygium paniculatum	Magenta Lilly Pilly	E1	50	
Orchidaceae	☐	Caladenia tessellata	Thick Lip Spider Orchid	E1	2	

☐	Cryptostylis hunteriana	Leafless Tongue Orchid	V	1	
☐	Diuris bracteata		E1	5	
☐	Diuris praecox	Rough Double Tail	V	6	
☐	Thelymitra sp. adorata	Wyong Sun Orchid	E4A	4	
Proteaceae					
☐	Grevillea parviflora subsp. parviflora	Small-flower Grevillea	V	16	
☐	Grevillea shiressii		V	1	
Restionaceae					
☐	Baloskion longipes	Dense Cord-rush	V	1	

* Exotic (non-native) species

Choose up to 3 species to map.

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APPENDIX 4: SELECTED PHOTOS OF SITE

Existing very old heritage rated Bunya Pines to be retained



Cleared site proposed to be rezoned to SP1.



Existing weeds on site recommended to be controlled.



Bamboo up to 15m in height destroying all understorey and any natural regeneration



Vine (Butterfly Bush) choking a rainforest tree .



Meander cutoff - Canada Drop Down Creek.



Wombat burrows over site.



Privet and wandering jew dominating the site.



Subject site in background, with Palmdale Crematorium in foreground. Note planted Tallowood to the left of frame. This area would benefit from some riparian regeneration/corridor reestablishment.

