APPENDICES

CENTRAL COAST FLORA

FLORA OF SANDSTONE HEATH AND WOODLANDS

During late Winter, Bush tracks in the Sandstone country start to blaze with colour as heath plants start their early flowering, which continues through Spring. In Brisbane Waters NP, Girrakool, Warrah Reserve and Bouddi NP, along the coastal walks and on the Somersby Plateau, many of these can be seen flowering from early July:

Acacia longifolia	Sydney Wattle
Acacia decurrens	Green Wattle
Acacia suaveolens	Sweet Wattle
Boronia ledifolia	Sydney Boronia
Boronia pinnata	Pinnate Boronia
Dillwynia floribunda	Yellow Pea
Dillwynia retorta	"Bacon & Eggs"
Pultenaea rosmarinifolia	Yellow Pea
Gompholobium grandiflorum	Golden Glory Pea
Hovea linearis	Purple Pea
Hibbertia bracteata	Yellow Guinea Flower
Doryanthes excelsa	Gymea Lily
Epacris microphylla	Coral Heath
Epacris longilflora	Fuchsia Heath
Styphelia tubiflora	Red Five-Corners
Woollsia pungens	Snow Wreath

At any other times of the year, bush tracks can still reveal a wealth of interesting plants. Look for the following plants - (* indicates particularly interesting or Rare and threatened species).

Trees

Angophora costata	Sydney Red Gum
Angophora hispida	Dwarf Apple A
Allocasuarina distyla	Scrub She-Oak
Ceratopetalum gummiferum	Christmas Bush
Corymbia eximia	Yellow Bloodwood
Corymbia gummifera	Red Bloodwood
Eucalyptus haemastoma	Scribbly Gum
Eucalyptus pilularis	Blackbutt
Eucalyptus piperita	Sydney Peppermint
Eucalyptus punctata	Grey Gum
Exocarpus cupressiformis	Native Cherry
Syncarpia glomulifera	Turpentine

Other Shrubs of Sandstone Woodlands & Heaths

Acacia linifolia	Flax Wattle
Acacia oxycedrus	Spike Wattle
Acacia terminalis	Sunshine Wattle
Acacia ulicifolia	Prickly Moses
Actinotus helianthi	Flannel Flower
Actinotus minor	

Amperea xiphoclada	Broom Spurge
Astrotricha floccosa	Flannel Leaf
Baeckea brevifolia	Heath Myrtle
Banksia ericifolia	Heath-leaf Banksia
Banksia oblongifolia	Fern-leaf Banksia
Banksia serrata	Old Man Banksia
Banksia spinulosa	Hairpin Banksia
Boronia anemonifolia	Sticky Boronia
Boronia serrulata	Native Rose
Bossiaea heterophylla	Variable Bossiaea
Bossiaea scolopendria	Leafless Bossiaea
Callistemon citrinus	Crimson Bottlebrush
Callistemon linearis	Narrow-leaf Bottlebrush
Comesperma ericinum	Heath Milkwort
Conospermum longifolium	Smoke Bush
Dampiera stricta	
Darwinia fascicularis	
Darwinia glaucophylla *	(Prostrate)
Dianella longifolia	Flax Lily
Dodonaea camfieldii *	Camfield's Hop Bush
Dodonaea triquetra	Hop Bush
Drosera peltata	Sundew
Epacris pulchella	N.S.W. Coral Heath
Eriostemon australasius	Pink Wax Flower
Kunzea capitata	Pink Buttons
Lambertia formosa	Mountain Devils
Eriostemon buxifolius	Wax Flower
Goodenia bellidifolia	Daisy-leaf Goodenia
Goodenia ovata	Hop Goodenia
Grevillea buxifolia	Grey Spider Flower
Grevillea sericea	Pink Spider Flower
Grevillea speciosa	Red Spider Flower
Hybanthus monopetalus	Ladies Slipper
Isopogon anemonifolius	Drum Sticks
Kunzea ambigua	Tick Bush
Leptospermum juniperinum	Prickly Tea-Tree
Leptospermum trinervium	Paperbark Tea-Tree
Leucopogon ericoides	Bearded Heath
Leucopogon microphyllus	Bearded Heath
Lomatia silaifolia	Wild Parsley
Macrozamia communis	Burrawang
Mirbelia rubiifolia	Red Mirbelia
Olax stricta	Olax
Patersonia sericea	Silky Purple Flag
Persoonia lanceolata	Lance-leaf Gee-Bung
Persoonia levis	Broad-leaf Gee-Bung
Petrophile pulchella	Cone Sticks
Pimelea linifolia	Rice Flower
Platysace linearifolia	Carrot Tops
Prostanthera junonis *	Somersby Mint Bush
Prostanthera linearis	Narrow-leaf Mint Bush
Scaevola ramosissima	Fan Flower
Stylidium graminifolium	Trigger Plant

Telopea speciosissima	Waratah
Tetratheca species	Black Eyed Susan
Xanthorrhoea arborea	Grass Tree
Xylomelum pyriforme	Woody Pear
Zieria laevigata	

Climbers and Twiners

Billardiera scandens	Dumplings, Apple Berry
Clematis aristata	Old Man's Beard
Eustrephus latifolius	Wombat Berry
Glycine clandestina	Love Creeper
Hardenbergia violacea	False Sarsaparilla, Purple Twining Pea
Kennedia rubicunda	Dusky Coral Pea

Sedges and Rushes

Caustis flexuosa	Curly Sedge, Old Man's Beard
Lomandra longifolia	Mat Rush
Lomandra obliqua	Fish Bones

Ferns of Sandstone Heaths & Woodlands

Cheilanthes sieberi	Mulga Fern
Lindsaea linearis	Screw Fern
Pteridium esculentum	Bracken Fern

Orchids

Caladenia caerulea	Blue Caladenia
Caladenia catenata	White Fingers
Calochilus campestris	Copper Beard
Cryptostylis subulata	Large Tongue
Orchid Cymbidium suave	Sweet Cymbidium
Dendrobium speciosum	Rock Orchid
Dipodium punctatum	Hyacinth Orchid
Glossodia minor	Small Wax Lip
Lyperanthus suaveolens	Brown Beaks
Pterostylis nutans	Nodding Greenhood
Thelymitra ixioides	Spotted Sun Orchid

COASTAL WOODLANDS & HEATHS

Some different species can be found along the coastal cliffs and exposed heathlands, and in the deep sandy soils behind, such as on the walks to Bombi Point in Bouddi NP, and Wybung Head in Munmorah SRA.

Acacia sophorae	Coast Wattle
Acacia quadrilateralis *	
Allocasuarina littoralis	Black She-Oak
Allocasuarina torulosa	Forest Oak
Baeckea imbricata	
Baeckea ramosissima	Rosy Heath Myrtle

Banksia aemula	Wallum Banksia
Banksia integrifolia	Coastal Banksia
Boronia polygalifolia *	Milkwort Boronia
Callitris rhomboidea	Port Jackson Cypress
Casuarina glauca	Swamp Oak
Cassytha pubescens	Devil's Twine
Correa reflexa	
Crowea saligna	
Dianella caerulea	
Hakea bakerana	
Hakea teretifolia	Dagger Hakea
Hibbertia dentata	Twining Guinea Flower
Hovea linearis	
Indigofera australis	
Isopogon anemonifolius	Drumsticks
Jacksonia scoparia	
Leptospermum laevigatum	Coastal Tea-Tree
Oxylobium ilicifolium	Holly-leaf Pea
Pratia purpurascens	White Root
Styphelia viridis	Green Five Corners
Phebalium squamulosum	
Prostanthera ovalifolia	Mint Bush
Viminaria juncea	Native Broom
Westringia fruticosa	Coast Rosemary
Wahlenbergia communis	Bluebell
Zieria smithii	

CENTRAL COAST RAINFOREST

Flora of Rainforest and Gullies: plants seen in Rumbalara Reserve, Katandra Reserve (walks around Seymour's Pond), Ourimbah State Forest, Strickland SF, Great North Walk along Moonee Moonee Creek. and in pockets in Wyrrabalong NP, etc.

Acacia maidenii	Maiden's Wattle
Acacia prominens	Gosford Wattle
Acmena smithii	Lilly Pilly
Archontophoenix cunninghamiana	Bangalow Palm
Backhousia myrtifolia	Grey Myrtle
Breynia oblongifolia	Dwarf's Apples
Cissus antarctica	Kangaroo Vine
Cissus hypoglauca	Water Vine
Citriobatus pauciflorus	Orange Thorn
Cyathea leichhardtiana	Prickly Treefern
Doryphora sassafras	Sassafras
Duboisia myoporoides	Corkwood
Endiandra sieberi	Corkwood
Eupomatia laurina	Bolwarra
Ficus obliqua	Strangler Fig
Glochidion ferdinandi	Cheese Tree
Livistona australis	Cabbage Tree Palm
Myoporum acuminatum	Northern Boobialla
Notelaea longifolia	Mock Olive

Omalanthus populifolius	Bleeding Heart
Pittosporum revolutum	Rough-Fruit Pittosporum
Platycerium bifurcatum	Elkhorn
Rubus hillii	Broad-leaf Bramble
Sloanea australis	Maiden's Blush
Smilax australis	Austral Sarsaparilla
Smilax glyciphylla	Sweet Sarsaparilla
Solanum aviculare	Kangaroo Apple
Synoum glandulosum	scentless Rosewood
Syzygium australe	Lillypilly
Syzygium paniculatum *	Magenta Cherry
Tasmannia insipida	Pepper Bush
Toona ciliata *	Red Cedar

Other **Trees** found nearby, in damp gullies and hillsides, include;

Angophora floribunda	Rough barked Apple
Eucalyptus deanei	Mountain Blue Gum
Eucalyptus saligna	Sydney Blue Gum

ROCKY CREEKS

Flora found around creeks, waterfalls and ponds in the Sandstone areas such as Girrakool, Moonee Moonee Creek, Strickland SF and Somersby Falls.

Trees

Acacia elata	Cedar Wattle
Callicoma serratifolia	Black "Wattle"
Ceratopetalum apetalum	Coachwood
Tristania neriifolia	Water Gum
Tristaniopsis laurina	Water Gum
Lomatia myricoides	River Lomatia

Others

Austromyrtus tenuifolia	Narrow-leaf Myrtle
Baeckea linifolia	Swamp Baeckea
Bauera rubioides	River Rose
Bursaria spinosa	Blackthorn, Sweet Bursaria
Dracophyllum secundum	
Grevillea shiressii *	
Hibbertia dentata	Twining Guinea Flower
Phebalium dentatum	
Restio tetraphyllus ssp meiostachyus	Tassel Cord Rush
Adiantum aethiopicum	Maidenhair Fern
Asplenium australasicum	Bird's Nest Fern
Blechnum species	Water Ferns
Calochlaena dubia	False Bracken
Doodia aspera	Common Rasp Fern
Sticherus flabellatus	Shiny Fan Fern
Todea barbara	King Fern

SWAMPS

Flora of damp and swampy places in Sandstone heaths, such as hanging swamps, in Brisbane Water N.P. and Somersby, along the Great North Walk.

Banksia robur	Swamp Banksia
*Leptospermum squ*arrosum	Pink Tea-tree
Melaleuca styphelioides	Prickly-leaf Paperbark
Melaleuca thymifolia	Thyme Honeymyrtle
Hakea teretifolia	Dagger Hakea
Blandfordia grandiflora	Christmas Bells
Sprengelia incarnata	
Epacris obtusifolia	Swamp Heath
Xyris species	Yellow Eye
Caustis pentandra	Tall Sedge
Cyperus species	Sedges
Gahnia species	Saw-Sedges
Juncus species	Rushes
Gleichenia dicarpa	Coral Fern

COASTAL FORESTS such as The Red Gum Forest, Wyrrabalong NP;

Angophora costata	Sydney Red Gum
Banksia integrifolia	Coast Banksia
Ficus coronata	Sandpaper Fig
Ficus fraseri *	Sandpaper Fig
Casuarina glauca	Swamp Oak
Leptospermum laevigatum	Coastal Tea-Tree
Macrozamia communis	Burrawang
Styphelia viridis	Green Five-Corners
Pultenaea flexilis	Graceful Bush-Pea
Actinotus helianthi	Flannel Flower
Correa reflexa	Native Fuchsia
Dillwynia retorta	“Bacon & Eggs”
Aotus ericoides	Common Aotus
Ricinocarpos pinifolius	Wedding Bush
Brachyloma daphnoides	Daphne Heath
Dodonaea triquetra	Hop Bush
Acianthus fornicatus	Pixie Orchid

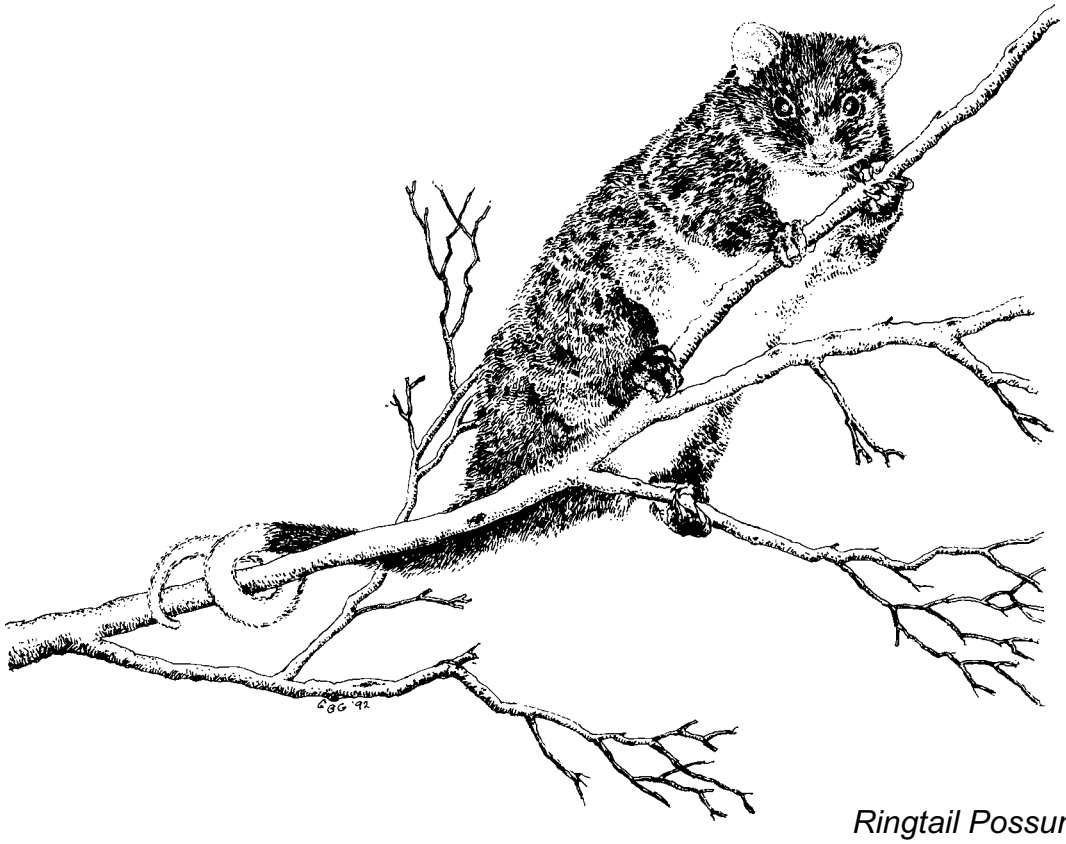
WATERFRONTS

Close to the edges of Freshwater Lakes, like Tuggerah Lakes, and Colongra Wetlands, on Lake Munmorah, as well as overlooking saltier areas, one finds trees such as:

Eucalyptus robusta	Swamp Mahogany
Eucalyptus botryoides	Bangalay
Melaleuca quinquenervia	Broad-leaf Paperbark
Melaleuca styphelioides	Prickly-leaf Paperbark
Melaleuca biconvexa *	

Around the **FORESHORES** of Brisbane Water, such as Cockle Bay, Davistown waterfront, etc.

Avicennia marina	Grey Mangrove
Aegiceras corniculatum	River Mangrove
Melaleuca ericifolia	Swamp Paperbark
Melaleuca nodosa	Prickly-leaf Paperbark
Casuarina glauca	Swamp Oak
Ficus rubiginosa	Port Jackson Fig
Scaevola calendulacea	Dune Fan Flower
Cakile edentula	Sea Rocket
Carpobrotus glaucescens	Pig Face
Enchylaena tomentosa	Ruby Saltbush
Tetragonia tetragonioides	Warrigal Cabbage
Isolepis nodosa	Knobby Club-Rush
Suaeda australis	Seablite
Cyperus species	Sedges
Juncus species	Rushes



Ringtail Possums

FAUNA LIST

Source: This fauna list was derived from the NSW National Parks and Wildlife Service Atlas of NSW Wildlife. The status definitions are from the National Parks and Wildlife Act, and the Threatened Species Conservation Act 1995. These data are only indicative and cannot be considered a comprehensive inventory, and may contain errors and omissions.

Legal Status

E1	Endangered	Listed as endangered under the Threatened Species Conservation Act, 1995. Is likely to become extinct in nature in NSW unless the circumstances and factors threatening its survival cease to operate or its numbers have been reduced to such a critical level or its habitats have been drastically reduced that it is in immediate danger of extinction.
V	Vulnerable	The species is likely to become endangered unless the circumstances and factors threatening its survival or evolutionary development cease to operate.
U	Unprotected	Fauna listed in Schedule 11 of the National Parks and Wildlife Act (introduced species).
P	Protected	Native fauna not listed in Schedule 11 of the National Parks and Wildlife Act.

Reptiles

Scientific Name	Common Name	Legal Status
Hoplocephalus bungaroides	Broad-headed Snake	E1
Chelonia mydas	Green Turtle	V
Demansia torquata	Collared Whip Snake	V
Hoplocephalus bitorquatus	Pale-headed Snake	V
Hoplocephalus stephensii	Stephen's Banded Snake	V
Varanus rosenbergi	Heath Monitor	V
Acanthophis antarcticus	Common Death Adder	P
Amphibolurus muricatus	Jacky Lizard	P
Amphibolurus nobbi	Nobbi	P
Anomalopus swansoni		P
Bassiana platynota	Red-throated Skink	P
Boiga irregularis	Brown Tree Snake	P
Cacophis krefftii	Krefft's Dwarf Snake	P
Cacophis squamulosus	Golden Crowned Snake	P
Calyptotis ruficauda		P
Carlia tetradactyla	Southern Rainbow Skink	P
Chelodina longicollis	Eastern Long-necked Tortoise	P
Cryptoblepharus virgatus	Wall Lizard	P
Ctenotus robustus	Striped Skink	P
Ctenotus taeniolatus	Copper-tailed Skink	P
Cyclodomorphus michaeli		P
Delma plebeia		P

Demansia psammophis	Yellow-faced Whip Snake	P
Dendrelaphis punctulata	Green Tree Snake	P
Diplodactylus vittatus	Stone Gecko	P
Drysdalia coronoides	White-lipped Snake	P
Egernia cunninghami	Cunningham's Skink	P
Egernia major	Land Mullet	P
Egernia modesta		P
Egernia saxatilis	Black Rock Skink	P
Egernia striolata	Tree Skink	P
Egernia whitii	White's Skink	P
Eretmochelys imbricata	Hawksbill Turtle	P
Eulamprus heatwolei		P
Eulamprus quoyii	Eastern Water Skink	P
Eulamprus tenuis	Barred-side Skink	P
Eulamprus tympanum	Highland Water Skink	P
Furina diadema	Red-naped Snake	P
Hemiaspis signata	Black-bellied Swamp Snake	P
Hemiergis decresiensis		P
Hemisphaeriodon gerrardii	Pink-tongued Lizard	P
Hypsilurus spinipes	Southern Angle-headed Dragon	P
Lampropholis delicata	Grass Skink	P
Lampropholis guichenoti	Garden Skink	P
Lampropholis sp.	unidentified grass skink	P
Lerista bougainvillii	Bougainville's Skink	P
Lialis burtonis	Burton's Legless Lizard	P
Lygisaurus foliorum		P
Morelia spilota	Carpet or Diamond Python	P
Morelia spilota spilota	Diamond Python	P
Morethia boulengeri	Boulenger's Skink	P
Notechis scutatus	Eastern Tiger Snake	P
Oedura lesueurii	Lesueur's Velvet Gecko	P
Oedura robusta	Robust Velvet Gecko	P
Pelamis platurus	Yellow-bellied Sea Snake	P
Phyllurus platurus	Southern Leaf-tailed Gecko	P
Physignathus lesueurii	Eastern Water Dragon	P
Pogona barbata	Bearded Dragon	P
Pseudechis guttatus	Spotted Black Snake	P
Pseudechis porphyriacus	Red-bellied Black Snake	P
Pseudonaja textilis	Eastern Brown Snake	P
Pygopus lepidopodus	Common Scaly-foot	P
Ramphotyphlops bituberculatus		P
Ramphotyphlops nigrescens		P
Ramphotyphlops proximus		P
Ramphotyphlops sp.	blind snake	P
Ramphotyphlops wiedii		P
Rhinoplocephalus nigrescens	Eastern Small-eyed Snake	P
Saiphos equalis	Three-toed Skink	P
Saproscincus challengeri		P
Saproscincus mustelinus	Weasel Skink	P
Saproscincus rosei		P
Suta spectabilis dwyeri		P
Tiliqua scincoides	Eastern Blue-tongued Lizard	P
Tympanocryptis diemensis	Mountain Dragon	P
Underwoodisaurus milii	Thick-tailed Gecko	P

Varanus gouldii	Gould's Goanna	P
Varanus varius	Lace Monitor	P
Vermicella annulata	Bandy Bandy	P

Passerine Birds

Scientific Name	Common Name	Status
Xanthomyza phrygia	Regent Honeyeater	E1
Grantiella picta	Painted Honeyeater	V
Pachycephala olivacea	Olive Whistler	V
Acanthagenys rufogularis	Spiny-cheeked Honeyeater	P
Acanthiza chrysorrhoa	Yellow-rumped Thornbill	P
Acanthiza lineata	Striated Thornbill	P
Acanthiza nana	Yellow Thornbill	P
Acanthiza pusilla	Brown Thornbill	P
Acanthiza reguloides	Buff-rumped Thornbill	P
Acanthorhynchus tenuirostris	Eastern Spinebill	P
Acrocephalus stentoreus	Clamorous Reed-Warbler	P
Ailuroedus crassirostris	Green Catbird	P
Anthochaera carunculata	Red Wattlebird	P
Anthochaera chrysoptera	Little Wattlebird	P
Anthus novaeseelandiae	Richard's Pipit	P
Aphelocephala leucopsis	Southern Whiteface	P
Artamus cyanopterus	Dusky Woodswallow	P
Artamus leucorhynchus	White-breasted Woodswallow	P
Artamus personatus	Masked Woodswallow	P
Artamus superciliosus	White-browed Woodswallow	P
Cheramoeca leucosternus	White-backed Swallow	P
Chlamydera maculata	Spotted Bowerbird	P
Chthonicola sagittata	Speckled Warbler	P
Cinclorhamphus cruralis	Brown Songlark	P
Cinclorhamphus mathewsi	Rufous Songlark	P
Cinclosoma punctatum	Spotted Quail-thrush	P
Cisticola exilis	Golden-headed Cisticola	P
Climacteris erythrops	Red-browed Treecreeper	P
Climacteris picumnus	Brown Treecreeper	P
Colluricincla harmonica	Grey Shrike-thrush	P
Coracina maxima	Ground Cuckoo-shrike	P
Coracina novaehollandiae	Black-faced Cuckoo-shrike	P
Coracina papuensis	White-bellied Cuckoo-shrike	P
Coracina tenuirostris	Cicadabird	P
Corcorax melanorhamphos	White-winged Chough	P
Cormobates leucophaeus	White-throated Treecreeper	P
Corvus coronoides	Australian Raven	P
Corvus mellori	Little Raven	P
Cracticus nigrogularis	Pied Butcherbird	P
Cracticus torquatus	Grey Butcherbird	P
Daphoenositta chrysoptera	Varied Sittella	P
Dicaeum hirundinaceum	Mistletoebird	P
Dicrurus bracteatus	Spangled Drongo	P
Entomyzon cyanotis	Blue-faced Honeyeater	P
Eopsaltria australis	Eastern Yellow Robin	P
Epthianura albifrons	White-fronted Chat	P
Epthianura tricolor	Crimson Chat	P

Falcunculus frontatus	Crested Shrike-tit	P
Gerygone fusca	Western Gerygone	P
Gerygone levigaster	Mangrove Gerygone	P
Gerygone mouki	Brown Gerygone	P
Gerygone olivacea	White-throated Gerygone	P
Grallina cyanoleuca	Magpie-lark	P
Gymnorhina tibicen	Australian Magpie	P
Hirundo ariel	Fairy Martin	P
Hirundo neoxena	Welcome Swallow	P
Hirundo nigricans	Tree Martin	P
Hylacola pyrrhopygia	Chestnut-rumped Heathwren	P
Lalage leucomela	Varied Triller	P
Lalage sueurii	White-winged Triller	P
Lichenostomus chrysops	Yellow-faced Honeyeater	P
Lichenostomus fuscus	Fuscous Honeyeater	P
Lichenostomus leucotis	White-eared Honeyeater	P
Lichenostomus melanops	Yellow-tufted Honeyeater	P
Lichenostomus penicillatus	White-plumed Honeyeater	P
Lichenostomus virescens	Singing Honeyeater	P
Lichmera indistincta	Brown Honeyeater	P
Lonchura castaneothorax	Chestnut-breasted Mannikin	P
Malurus cyaneus	Superb Fairy-wren	P
Malurus lamberti	Variegated Fairy-wren	P
Malurus sp.	Unidentified Fairy-wren	P
Manorina melanocephala	Noisy Miner	P
Manorina melanophrys	Bell Miner	P
Megalurus gramineus	Little Grassbird	P
Megalurus timoriensis	Tawny Grassbird	P
Melanodryas cucullata	Hooded Robin	P
Meliphaga lewinii	Lewin's Honeyeater	P
Melithreptus brevirostris	Brown-headed Honeyeater	P
Melithreptus gularis	Black-chinned Honeyeater	P
Melithreptus lunatus	White-naped Honeyeater	P
Menura novaehollandiae	Superb Lyrebird	P
Microeca fascinans	Jacky Winter	P
Monarcha melanopsis	Black-faced Monarch	P
Monarcha trivirgatus	Spectacled Monarch	P
Myiagra cyanoleuca	Satin Flycatcher	P
Myiagra inquieta	Restless Flycatcher	P
Myiagra rubecula	Leaden Flycatcher	P
Myzomela sanguinolenta	Scarlet Honeyeater	P
Neochmia modesta	Plum-headed Finch	P
Neochmia temporalis	Red-browed Finch	P
Oreoica gutturalis	Crested Bellbird	P
Origma solitaria	Rockwarbler	P
Oriolus sagittatus	Olive-backed Oriole	P
Orthonyx temminckii	Logrunner	P
Pachycephala pectoralis	Golden Whistler	P
Pachycephala rufiventris	Rufous Whistler	P
Pardalotus punctatus	Spotted Pardalote	P
Pardalotus punctatus xanthopygus	Yellow-rumped Pardalote	P
Pardalotus striatus	Striated Pardalote	P
Petroica goodenovii	Red-capped Robin	P
Petroica multicolor	Scarlet Robin	P
Petroica phoenicea	Flame Robin	P
Petroica rosea	Rose Robin	P

Philemon citreogularis	Little Friarbird	P
Philemon corniculatus	Noisy Friarbird	P
Phylidonyris melanops	Tawny-crowned Honeyeater	P
Phylidonyris nigra	White-cheeked Honeyeater	P
Phylidonyris novaehollandiae	New Holland Honeyeater	P
Phylidonyris pyrrhoptera	Crescent Honeyeater	P
Pitta versicolor	Noisy Pitta	P
Plectorhyncha lanceolata	Striped Honeyeater	P
Pomatostomus superciliosus	White-browed Babbler	P
Pomatostomus temporalis	Grey-crowned Babbler	P
Psophodes olivaceus	Eastern Whipbird	P
Ptilonorhynchus violaceus	Satin Bowerbird	P
Ptiloris paradiseus	Paradise Riflebird	P
Pycnoptilus floccosus	Pilotbird	P
Rhipidura fuliginosa	Grey Fantail	P
Rhipidura leucophrys	Willie Wagtail	P
Rhipidura rufifrons	Rufous Fantail	P
Sericornis citreogularis	Yellow-throated Scrubwren	P
Sericornis frontalis	White-browed Scrubwren	P
Sericornis magnirostris	Large-billed Scrubwren	P
Sericulus chrysocephalus	Regent Bowerbird	P
Smicrornis brevirostris	Weebill	P
Sphecotheres viridis	Figbird	P
Stagonopleura bella	Beautiful Firetail	P
Stagonopleura guttata	Diamond Firetail	P
Stipiturus malachurus	Southern Emu-wren	P
Strepera graculina	Pied Currawong	P
Strepera versicolor	Grey Currawong	P
Taeniopygia bichenovii	Double-barred Finch	P
Taeniopygia guttata	Zebra Finch	P
Zoothera dauma	Unindentified Ground Thrush	P
Zoothera heinei	Russet-tailed Thrush	P
Zoothera lunulata	Bassian Thrush	P
Zoothera sp.	unidentified ground thrush	P
Zosterops lateralis	Silvereye	P

Non Passerine Birds

Scientific Name	**Common Name**	**Status**
Halobaena caerulea	Blue Petrel	P
Macronectes giganteus	Southern Giant-Petrel	P
Pachyptila turtur	Fairy Prion	P
Pterodroma externa	Juan Fernandez Petrel	P
Pterodroma leucoptera	Gould's Petrel	E1
Pterodroma neglecta	Kermadec Petrel	V
Pterodroma nigripennis	Black-winged Petrel	V
Pterodroma solandri	Providence Petrel	V
Fregata ariel	Lesser Frigatebird	P
Puffinus bulleri	Buller's Shearwater	P
Puffinus gavia	Fluttering Shearwater	P
Puffinus griseus	Sooty Shearwater	P
Puffinus pacificus	Wedge-tailed Shearwater	P
Puffinus tenuirostris	Short-tailed Shearwater	P

Anhinga melanogaster	Darter	P
Pelecanus conspicillatus	Australian Pelican	P
Ephippiorhynchus asiaticus	Black-necked Stork	E1
Phalacrocorax carbo	Great Cormorant	P
Phalacrocorax melanoleucos	Little Pied Cormorant	P
Phalacrocorax sulcirostris	Little Black Cormorant	P
Ardea alba	Great Egret	P
Ardea ibis	Cattle Egret	P
Ardea intermedia	Intermediate Egret	P
Egretta garzetta	Little Egret	P
Egretta sacra	Eastern Reef Egret	P
Ardea pacifica	White-necked Heron	P
Butorides striatus	Striated Heron	P
Egretta novaehollandiae	White-faced Heron	P
Nycticorax caledonicus	Nankeen Night Heron	P
Botaurus poiciloptilus	Australasian Bittern	V
Ixobrychus flavicollis	Black Bittern	V
Ixobrychus minutus	Little Bittern	P
Plegadis falcinellus	Glossy Ibis	P
Threskiornis molucca	Australian White Ibis	P
Threskiornis spinicollis	Straw-necked Ibis	P
Anas castanea	Chestnut Teal	P
Anas gracilis	Grey Teal	P
Anas rhynchotis	Australasian Shoveler	P
Anas superciliosa	Pacific Black Duck	P
Aythya australis	Hardhead	P
Biziura lobata	Musk Duck	P
Chenonetta jubata	Australian Wood Duck	P
Dendrocygna arcuata	Wandering Whistling-Duck	P
Dendrocygna eytoni	Plumed Whistling-Duck	P
Malacorhynchus membranaceus	Pink-eared Duck	P
Stictonetta naevosa	Freckled Duck	V
Tadorna tadornoides	Australian Shelduck	P
Cygnus atratus	Black Swan	P
Podiceps cristatus	Great Crested Grebe	P
Poliocephalus poliocephalus	Hoary-headed Grebe	P
Tachybaptus novaehollandiae	Australasian Grebe	P
Accipiter cirrhocephalus	Collared Sparrowhawk	P
Accipiter fasciatus	Brown Goshawk	P
Accipiter novaehollandiae	Grey Goshawk	P
Erythrotriorchis radiatus	Red Goshawk	E1
Circus approximans	Swamp Harrier	P
Circus assimilis	Spotted Harrier	P
Elanus axillaris	Black-shouldered Kite	P
Haliastur indus	Brahminy Kite	P
Haliastur sphenurus	Whistling Kite	P
Hamirostra melanosternon	Black-breasted Buzzard	V
Milvus migrans	Black Kite	P
Pandion haliaetus	Osprey	V
Falco peregrinus	Peregrine Falcon	P

Falco subniger	Black Falcon	P
Falco berigora	Brown Falcon	P
Alectura lathami	Australian Brush-turkey	P
Burhinus grallarius	Bush Stone-curlew	E1
Coturnix chinensis	King Quail	P
Coturnix pectoralis	Stubble Quail	P
Coturnix ypsilophora	Brown Quail	P
Turnix maculosa	Red-backed Button-quail	P
Turnix varia	Painted Button-quail	P
Turnix velox	Little Button-quail	P
Gallinula tenebrosa	Dusky Moorhen	P
Gallirallus philippensis	Buff-banded Rail	P
Irediparra gallinacea	Comb-crested Jacana	V
Porphyrio porphyrio	Purple Swamphen	P
Fulica atra	Eurasian Coot	P
Charadrius bicinctus	Double-banded Plover	P
Charadrius ruficapillus	Red-capped Plover	P
Charadrius veredus	Oriental Plover	P
Charadrius leschenaultii	Greater Sand Plover	V
Charadrius mongolus	Lesser Sand Plover	V
Pluvialis dominica	Lesser Golden Plover	P
Pluvialis fulva	Pacific Golden Plover	P
Pluvialis squatarola	Grey Plover	P
Vanellus miles	Masked Lapwing	P
Vanellus tricolor	Banded Lapwing	P
Elseyornis melanops	Black-fronted Dotterel	P
Erythogonys cinctus	Red-kneed Dotterel	P
Calidris ruficollis	Red-necked Stint	P
Xenus cinereus	Terek Sandpiper	V
Actitis hypoleucos	Common Sandpiper	P
Limicola falcinellus	Broad-billed Sandpiper	V
Tringa stagnatilis	Marsh Sandpiper	P
Calidris acuminata	Sharp-tailed Sandpiper	P
Calidris ferruginea	Curlew Sandpiper	P
Calidris alba	Sanderling	V
Calidris tenuirostris	Great Knot	V
Heteroscelus brevipes	Grey-tailed Tattler	P
Gallinago hardwickii	Latham's Snipe	P
Limosa limosa	Black-tailed Godwit	V
Limosa lapponica	Bar-tailed Godwit	P
Numenius madagascariensis	Eastern Curlew	P
Numenius phaeopus	Whimbrel	P
Tringa nebularia	Common Greenshank	P
Cladorhynchus leucocephalus	Banded Stilt	P
Himantopus himantopus	Black-winged Stilt	P
Haematopus fuliginosus	Sooty Oystercatcher	V
Haematopus longirostris	Pied Oystercatcher	V
Recurvirostra novaehollandiae	Red-necked Avocet	P
Stercorarius parasiticus	Arctic Jaeger	P
Larus dominicanus	Kelp Gull	P
Larus novaehollandiae	Silver Gull	P

Chlidonias hybridus	Whiskered Tern	P
Chlidonias leucopterus	White-winged Black Tern	P
Sterna bergii	Crested Tern	P
Sterna caspia	Caspian Tern	P
Sterna hirundo	Common Tern	P
Sterna nilotica	Gull-billed Tern	P
Sterna paradisaea	Arctic Tern	P
Sterna striata	White-fronted Tern	P
Sterna albifrons	Little Tern	E1
Gygis alba	White Tern	V
Platalea flavipes	Yellow-billed Spoonbill	P
Platalea regia	Royal Spoonbill	P
Cacatua galerita	Sulphur-crested Cockatoo	P
Callocephalon fimbriatum	Gang-gang Cockatoo	P
Calyptorhynchus funereus	Yellow-tailed Black-Cockatoo	P
Calyptorhynchus lathami	Glossy Black-Cockatoo	V
Trichoglossus chlorolepidotus	Scaly-breasted Lorikeet	P
Trichoglossus haematodus	Rainbow Lorikeet	P
Glossopsitta concinna	Musk Lorikeet	P
Glossopsitta pusilla	Little Lorikeet	P
Lathamus discolor	Swift Parrot	E1
Alisterus scapularis	Australian King-Parrot	P
Neophema pulchella	Turquoise Parrot	V
Psephotus haematonotus	Red-rumped Parrot	P
Aprosmictus erythropterus	Red-winged Parrot	P
Platycercus elegans	Crimson Rosella	P
Platycercus eximius	Eastern Rosella	P
Cacatua roseicapilla	Galah	P
Cacatua sanguinea	Little Corella	P
Cacatua tenuirostris	Long-billed Corella	P
Nymphicus hollandicus	Cockatiel	P
Barnardius zonarius	Australian Ringneck	P
Cacomantis flabelliformis	Fan-tailed Cuckoo	P
Cacomantis variolosus	Brush Cuckoo	P
Chrysococcyx basalis	Horsfield's Bronze-Cuckoo	P
Chrysococcyx lucidus	Shining Bronze-Cuckoo	P
Chrysococcyx osculans	Black-eared Cuckoo	P
Cuculus pallidus	Pallid Cuckoo	P
Cuculus saturatus	Oriental Cuckoo	P
Scythrops novaehollandiae	Channel-billed Cuckoo	P
Eudynamys scolopacea	Common Koel	P
Dacelo novaeguineae	Laughing Kookaburra	P
Macropygia amboinensis	Brown Cuckoo-Dove	P
Aviceda subcristata	Pacific Baza	P
Todiramphus sanctus	Sacred Kingfisher	P
Merops ornatus	Rainbow Bee-eater	P
Eurystomus orientalis	Dollarbird	P
Alcedo azurea	Azure Kingfisher	P
Centropus phasianinus	Pheasant Coucal	P
Ninox connivens	Barking Owl	V

Ninox strenua	Powerful Owl	V
Tyto capensis	Grass Owl	V
Tyto novaehollandiae	Masked Owl	V
Tyto tenebricosa	Sooty Owl	V
Aegotheles cristatus	Australian Owlet-nightjar	P
Tyto alba	Barn Owl	P
Eurostopodus mystacalis	White-throated Nightjar	P
Podargus strigoides	Tawny Frogmouth	P
Hirundapus caudacutus	White-throated Needletail	P
Apus pacificus	Fork-tailed Swift	P
Aquila audax	Wedge-tailed Eagle	P
Haliaeetus leucogaster	White-bellied Sea-Eagle	P
Hieraaetus morphnoides	Little Eagle	P
Falco cenchroides	Nankeen Kestrel	P
Falco longipennis	Australian Hobby	P
Porzana fluminea	Australian Spotted Crake	P
Porzana pusilla	Baillon's Crake	P
Porzana tabuensis	Spotless Crake	P
Rallus pectoralis	Lewin's Rail	P
Dromaius novaehollandiae	Emu	P

Introduced Birds

Scientific Name	Common Name	Status
Acridotheres tristis	Common Myna	U
Alauda arvensis	Skylark	U
Anas platyrhynchos	Mallard	U
Carduelis carduelis	European Goldfinch	U
Columba livia	Rock Dove	U
Lonchura punctulata	Nutmeg Mannikin	U
Passer domesticus	House Sparrow	U
Pycnonotus jocosus	Red-whiskered Bulbul	U
Streptopelia chinensis	Spotted Turtle-Dove	U
Sturnus vulgaris	Common Starling	U
Turdus merula	Common Blackbird	U

Frogs

Scientific Name	Common Name	Status
Adelotus brevis	Tusked Frog	P
Crinia signifera	Common Eastern Froglet	P
Crinia tinnula	Wallum Froglet	V
Heleioporus australiacus	Giant Burrowing Frog	V
Lechriodus fletcheri	Fletcher's Frog	P
Limnodynastes dumerilii	Eastern Banjo Frog	P
Limnodynastes ornatus	Ornate Burrowing Frog	P
Limnodynastes peronii	Brown-striped Frog	P

Limnodynastes tasmaniensis	Spotted Grass Frog	P
Litoria aurea	Green and Golden Bell Frog	E1
Litoria booroolongensis	Booroolong Frog	E1
Litoria brevipalmata	Green Thighed Frog	V
Litoria caerulea	Green Tree Frog	P
Litoria chloris	Red-eyed Tree Frog	P
Litoria citropa	Blue Mountains Tree Frog	P
Litoria dentata	Bleating Tree Frog	P
Litoria fallax	Eastern Dwarf Tree Frog	P
Litoria freycineti	Freycinet's Frog	P
Litoria jervisiensis	Jervis Bay Tree Frog	P
Litoria latopalmata		P
Litoria lesueuri	Lesueur's Frog	P
Litoria littlejohni	Heath Frog	V
Litoria pearsoniana		P
Litoria pearsoniana/phyllochroa	Leaf Green Tree Frog species complex	P
Litoria peronii	Peron's Tree Frog	P
Litoria phyllochroa	Leaf Green Tree Frog	P
Litoria revelata		P
Litoria subglandulosa		V
Litoria tyleri		P
Litoria verreauxii		P
Mixophyes balbus		V
Mixophyes fasciolatus	Great Barred Frog	P
Mixophyes iteratus	Giant Barred Frog	E1
Paracrinia haswelli	Haswell's Frog	P
Philoria sphagnicolus	Sphagnum Frog	V
Pseudophryne australis	Red-crowned Toadlet	V
Pseudophryne bibronii	Brown Toadlet	P
Pseudophryne coriacea	Red-backed Toadlet	P
Pseudophryne sp.		P
Uperoleia fusca		P
Uperoleia laevigata	Smooth Toadlet	P
Uperoleia marmorata		P
Uperoleia rugosa		P
Uperoleia sp.		P
Uperoleia tyleri	Tyler's Toadlet	P

Mammals

Scientific Name	Common Name	Status
Antechinus flavipes	Yellow-footed Antechinus	P
Antechinus stuartii	Brown Antechinus	P
Antechinus swainsonii	Dusky Antechinus	P
Chalinolobus dwyeri	Large-eared Pied Bat	V
Chalinolobus gouldii	Gould's Wattled Bat	P
Chalinolobus morio	Chocolate Wattled Bat	P
Kerivoula papuensis	Golden-tipped Bat	V
Falsistrellus tasmaniensis	Eastern False Pipistrelle	V
Miniopterus schreibersii	Common Bent-wing Bat	V
Mormopterus loriae	Little Freetail Bat	P
Mormopterus norfolkensis	East Coast Freetail Bat	V
Mormopterus planiceps	Little Mastiff-bat	P
Myotis adversus	Large-footed Myotis	V

Miniopterus australis	Little Bent-wing Bat	V
Nyctinomus australis	White-striped Mastiff-bat	P
Nyctophilus geoffroyi	Lesser Long-eared Bat	P
Nyctophilus gouldi	Gould's Long-eared Bat	P
Nyctophilus timoriensis	Greater Long-eared Bat	V
Vespadelus darlingtoni	Large Forest Bat	P
Vespadelus pumilus	Eastern Forest Bat	P
Vespadelus regulus	Southern Forest Bat	P
Vespadelus troughtoni	Eastern Cave Bat	V
Vespadelus vulturnus	Little Forest Bat	P
Rhinolophus megaphyllus	Eastern Horseshoe-bat	P
Saccolaimus flaviventris	Yellow-bellied Sheathtail Bat	V
Scoteanax rueppellii	Greater Broad-nosed Bat	V
Scotorepens greyii	Little Broad-nosed Bat	P
Scotorepens orion	Eastern Broad-nosed Bat	P
Dasyurus maculatus	Spotted-tailed Quoll	V
Dasyurus viverrinus	Eastern Quoll	E1
Isoodon macrourus	Northern Brown Bandicoot	P
Isoodon obesulus	Southern Brown Bandicoot	E1
Perameles nasuta	Long-nosed Bandicoot	P
Aepyprymnus rufescens	Rufous Bettong	V
Potorous tridactylus	Long-nosed Potoroo	V
Macropus giganteus	Eastern Grey Kangaroo	P
Macropus parma	Parma Wallaby	V
Macropus robustus	Common Wallaroo	P
Macropus rufogriseus	Red-necked Wallaby	P
Petrogale penicillata	Brush-tailed Rock-wallaby	V
Wallabia bicolor	Swamp Wallaby	P
Ornithorhynchus anatinus	Platypus	P
Tachyglossus aculeatus	Short-beaked Echidna	P
Petauroides volans	Greater Glider	P
Petaurus australis	Yellow-bellied Glider	V
Acrobates pygmaeus	Feathertail Glider	P
Petaurus breviceps	Sugar Glider	P
Petaurus norfolcensis	Squirrel Glider	V
Phascogale tapoatafa	Brush-tailed Phascogale	V
Pseudocheirus peregrinus	Common Ringtail Possum	P
Trichosurus caninus	Mountain Brushtail Possum	P
Trichosurus vulpecula	Common Brushtail Possum	P
Cercartetus nanus	Eastern Pygmy-possum	P
Phascolarctos cinereus	Koala	V
Vombatus ursinus	Common Wombat	P
Pteropus poliocephalus	Grey-headed Flying-fox	P
Pteropus scapulatus	Little Red Flying-fox	P
Rattus fuscipes	Bush Rat	P
Rattus lutreolus	Swamp Rat	P
Hydromys chrysogaster	Water-rat	P
Pseudomys gracilicaudatus	Eastern Chestnut Mouse	V

Pseudomys novaehollandiae	New Holland Mouse	P
Pseudomys oralis	Hastings River Mouse	E1
Sminthopsis murina	Common Dunnart	P
Melomys cervinipes	Fawn-footed Melomys	P
Planigale maculata	Common Planigale	V
Thylogale stigmatica	Red-legged Pademelon	V
Thylogale thetis	Red-necked Pademelon	P

Marine Mammals

Scientific Name	Common Name	Status
Eubalaena australis	Southern Right Whale	V
Megaptera novaeangliae	Humpback Whale	V
Physeter macrocephalus	Sperm Whale	V
Balaenoptera acutorostrata	Minke Whale	P
Globicephala macrorhynchus	Short-finned Pilot Whale	P
Kogia breviceps	Pygmy Sperm Whale	P
Lissodelphis peronii	Southern Right Whale Dolphin	P
Delphinus delphis	Common Dolphin	P
Grampus griseus	Risso's Dolphin	P
Stenella attenuata	Spotted Dolphin	P
Stenella coeruleoalba	Striped Dolphin	P
Tursiops truncatus	Bottlenose Dolphin	P
Arctocephalus forsteri	New Zealand Fur-seal	P
Arctocephalus pusillus	Australian Fur-seal	P
Arctocephalus tropicalis	Subantarctic Fur-seal	P
Hydrurga leptonyx	Leopard Seal	P
Neophoca cinerea	Australian Sea-lion	P
Dugong dugon	Dugong	P

Introduced Mammals

Scientific Name	Common Name	Status
Bos taurus	Cattle (feral)	U
Canis familiaris	Dingo and Dog (feral)	U
Capra hircus	Goat (feral)	U
Equus caballus	Horse (feral)	U
Felis catus	Cat (feral)	U
Lepus capensis	Brown Hare	U
Mus musculus	House Mouse	U
Oryctolagus cuniculus	Rabbit	U
Rattus norvegicus	Brown Rat	U
Rattus rattus	Black Rat	U
Sus scrofa	Pig (feral)	U
Vulpes vulpes	Fox	U

CONTACTS

Organisation	Phone/Contact	Web Site
Australian Conservation Foundation (Central Coast)	4324 6458	www.acfonline.org.au
Australian Plant Society	4323 3986	www.austplants-nsw.org.au/
Australian Museum		www. cctcm. nsw. gov. au
Central Coast Community Environment Network	4349 4756	www.cccen.terrigal.net.au
Department of Land and Water Conservation	4324 3844 Infoline 1800353104	www.dlwc.nsw.gov.au
Environment Australia		www. environment. gov. au
Community Biodiversity Network		http://nccnsw.org.au/member/cbn
Environment Protection Authority	4323 9875	
Pollution Line	131 555	www. epa. nsw. gov. au
Gosford City Council	4325 8222	www.gosford.nsw.gov.au
Lower Hunter Central Coast Regional Environmental Management Strategy	4962 0966	www.lhccrems.nsw.gov.au
National Parks and Wildlife Service	4320 4200	www.nationalparks.nsw.gov.au
Lake Macquarie City Council	4921 0333	www.lakemac.com.au
Rumbalara Environmental Education Centre	4324 7200	www.rumbalara-e.schools.nsw.edu.au
Waterwatch	43 494757	www.streamwatch.org.au
Woy Woy Environment Centre 267 Blackwall Rd Woy Woy	Open daily 1-4pm	
Wyong Shire Council	4350 5555	www. wyong.nsw.gov. au

The Troubleshooter Guide

Caring for Animals

Injured Wildlife	Wildlife Information and Rescue Service (Wires)	Phone	4323 2326
	Wildlife A.R.C. (Animal Rescue & Care Soc. Inc)	Phone	0500 551 121
	RSPCA	Phone	4372 2044
Roaming Dogs	Your Local Council		(see below)
Injured Marine Animals	NPWS	Phone	4320 4200
	ORRCA	Phone	9415 3333
Fish Kills	EPA	Phone	4323 9875
	Fisheries	Phone	4332 2147
	or Fishers Watch	Phone	1800 043 536
Licencing for Captive Wildlife	NPWS	Phone	4320 4200

Protecting Our Plants

Illegal Land Clearing/Tree Removal	Your Local Council (see below)		
Weeds invading Bushland	Your Local Council (see below)		
Bush Fire	Local Fire Brigade	Phone	000
Corridors/Land for Wildlife Protections	Your Local Council		

People Problems

Local Vandalism	Your Local Council
Rubbish Dumping	Your Local Council
Abandoned Vehicles	Your Local Council
Illegal Burning Off	Your Local Council

Maintaining Our Waterways

Erosion/Sediment Control	Your Local Council		
Pollution Incidents	EPA Pollution Line or Your Local Council	Phone	131 555
Damage to mangroves or wetlands	Dept of Land and Water Conservation (DLWC)	Phone	4324 3844
Illegal Shellfish Havesting	Fisheries	Phone	4332 2147
Illegal Fishing	Fishers Watch	Phone	1800 043 536

Your Local Councils

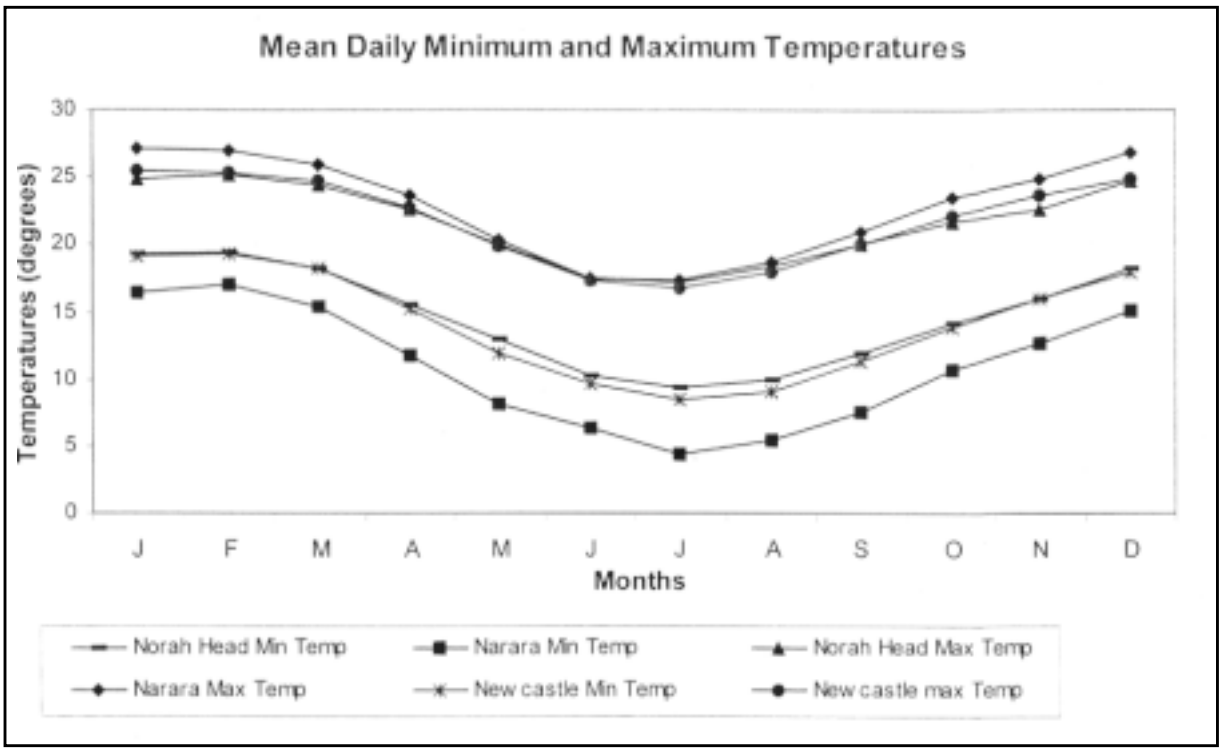
Gosford City Council - Phone 4325 8222
Wyong Shire Council - Phone 4350 5555
Lake Macquarie City Council - Phone 4921 0333

NEED HELP WITH IDENTIFYING YOUR FLORA AND FAUNA?

The Australian Museum would love to advise you.
Phone 9329 6000 or www.austmus.gov.au
Or else see the helpful field guides recommended in the Reference section of the Diary

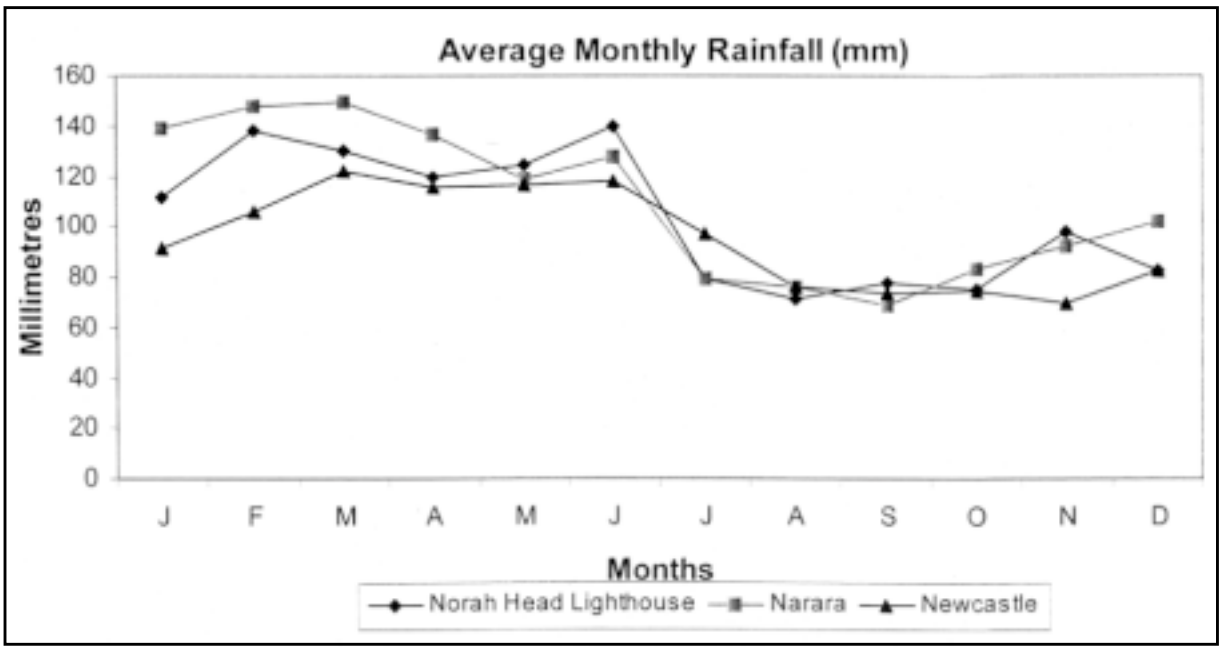
WEATHER

Average Daily Minimum and Maximum Temperatures for Wyong, Gosford and Lake Macquarie



Source: Bureau of Meteorology 2002 Note: Lake Macquarie weather data is sourced via Newcastle LGA weather stations

Average Monthly Rainfall for Wyong, Gosford and Lake Macquarie LGAs



Source: Bureau of Meteorology 2002 Note: Lake Macquarie weather data is sourced via Newcastle LGA weather stations

Documenting Roadkills

It is always sad to see native animals killed or injured by cars and trucks on our roads. However, we can at least gain some useful information from road kills.

In keeping your diary of seasonal observations, make sure you note the date and place of road kills in your area. Such information built up over the years may begin to reveal informative data and certain trends, for example:

- *Times of day* when animals are more often killed (eg. dawn and dusk are well known as danger times for motorists regarding wallabies and kangaroos)
- *Times of year* when animals are more often killed (eg. revealing information on mating and migration times)
- *Territories and territorial routes* of various animals (ie. certain sections of a given road may reveal significantly higher rates of kills, possibly revealing corridors of animal movements).

Road kills can also be reported to the National Parks and Wildlife Service for inclusion in their databases. If you encounter injured animals contact your local WIRES branch

GLOSSARY

Aboriginal Cultural Heritage	Physical evidence of Aboriginal occupation including artifacts, scar trees, carvings, burial and ceremonial places; and non-physical aspects such as environmental knowledge, language, stories, songs, art, spiritual associations, beliefs and practices.
Acid Sulfate Soils	Soils containing highly acidic soil horizons or layers resulting from oxidation of soil materials that are rich in sulfides, primarily pyrite. This oxidation produces acidity in excess of the sediments capacity to neutralize the acidity resulting in soils of pH 4 or less.
Adaptive Management	A management approach that involves monitoring the outcomes of a project or issue and, on the basis of the monitoring, improving the way the project is managed.
Agro-forestry	Land management practice in which farmers cultivate trees in addition to their other agricultural activities.
Aquaculture	Farming of aquatic organisms including fish, mollusks, crustaceans and aquatic plants.
Aquatic ecosystems	All living and non-living elements of a water-based environment and the relationship between them.
Biodiversity	The variety of life forms, the different plants, animals and micro-organisms, the genes they contain and the ecosystems they form.
Biophysical	A word that jointly refers to the biological and physical elements of an environment.
Catchment	The area of land drained by a river and its tributaries.
Climate change	A consequence of warming of the Earth's atmosphere caused by increases in the atmosphere of certain gases. These gases absorb heat radiation emitted by the Earth, thereby retarding the loss of energy from the system.
Development Control Plan	Plans prepared to provide detail on particular policies for certain types of development or parts of an area. These must conform to the provisions of the relevant LEP or REP.
Dieback	A general term for a significant decline in tree health and numbers, especially native trees, caused by a variety of agents including insect attack, disease and pollution.
Discharge area	An area where groundwater seeps to the surface or waterway.
Drainage paths	Naturally defined pathways through which run-off flows. Generally used to describe drainage depressions, gullies, drainage lines, creeks and rivers.
Ecological footprint	A measure of direct and indirect consumption.
Ecological integrity	The general health and resilience of natural life support systems, including their ability to assimilate wastes and withstand stresses such as climate change and ozone depletion.
Ecologically Sustainable Development	Using, conserving and enhancing the community's natural resources so that ecological processes on which life depends are maintained and the total quality of life, now and in the future, can be increased. The four principles of ESD are: 1. The Precautionary principle 2. Intergenerational equity 3. Conservation of biological diversity and ecological integrity 4. Improved valuation, pricing and incentive mechanisms.

Endemic	Usually referring to plants or people peculiar to a particular area or 'locality'.
Ecosystem	Communities of organisms and their physical environment interacting as a unit.
Effluent	Liquid discharged from a sewage treatment plant after treatment.
Electrical conductivity	A widely used and convenient method of measuring the salinity of water.
Endangered Species	Those species that are likely to become extinct unless action is taken to remove the factors that threaten their survival.
Faecal Coliforms	Bacteria which inhabits the intestines of humans and other mammals, and are present in faeces. Their presence in water quality testing indicates faecal contamination of water and that other more serious pathogens may also be present.
Fragmentation (habitat/ ecosystem)	The division of natural areas by vegetation clearance for human land use, isolating the remnants and the species within them and limiting genetic flow.
Groundwater	Water beneath the surface held in or moving through saturated layers of soil, sediment or rock.
Gully erosion	The removal of soil by running water, resulting in the formation of channels sufficiently large enough that they disrupt normal farming operations.
Habitat	A place where a particular organism lives.
Hazard Reduction Burning	The deliberate burning of understorey by controlled fire kept at cooler temperatures to reduce ground fuel; part of forest management to reduce incidence of summer wild fires, therby preventing damage to property, wildlife etc.
Indigenous Communities	Includes Aboriginal people of different tribal groups and languages, local Aboriginal Land Councils, traditional owner family groups, Aboriginal Corporations and individual community members.
Intergenerational Equity	The principle that the present generation should pass on to future generations an environment which is not impoverished and degraded, which will not reduce the quality of life for future generations.
Land Managers	Those who manage land, including farmers, graziers, irrigators, cultural and environmental landholders, councils and government agencies.
Landcare	Groups of people from the same area who join together to do things to benefit the environment. They are involved in activities as wide as erosion-control, planning, planting native vegetation and awareness raising. There are approximately 1000 Landcare groups in NSW.
Land degradation	The decline in condition or quality of the land as a consequence of misuse or overuse, involving changes to soil, flora, fauna, water quality and quantity, visual quality and production levels by humans.
Landscape	An area of land and all its physical features including all its physical features including geology, soils, vegetation, water, biology and land use.
Land system	An area or groups of areas with common patterns of soils, vegetation and topography.

Local Environmental Plan	Local environmental plans guide planning decisions for a local government area. They allocate land for particular purposes, generally through the use of zoning and development control, contain provisions to conserve local heritage and protect environmentally sensitive land, and reserve land to be acquired for public purposes. The plans can either cover the entire local government area or part of it.
Macro invertebrates	Animals without vertebrae (backbones) that can be seen without a microscope, and include muscles, limpets, water snails, worms, leeches, water spiders, water mites, crayfish, shrimps, beetles, bugs, insect larvae and nymphs.
Native vegetation	Locally endemic plant species.
Natural resources	The assets of land, water, plants and animals.
No net loss	Retention of at least the current overall amount and quality of a particular resource in a specific area.
pH	A measure of the degree of acidity or alkalinity; expressed on a logarithmic scale of 1 to 14: 1 is most acidic, 7 neutral and 14 most alkaline.
Potential Acid Sulfate Soil	Soils which contain iron sulfides or sulfidic material which have not been exposed to air and oxidized. The field pH of these soils in their unoxidised state is pH greater than four and maybe neutral or slightly alkaline.
Precautionary Principle	Where there are threats of serious or irreversible damage, scientific uncertainty shall not be used to postpone cost effective measures to prevent environmental degradation (from the Rio Declaration on Environment and Development).
Recharge	The portion of rainfall or river flow that percolates down through the soil and rock formations to reach the groundwater system.
Regional Environmental Plan	Regional environmental plans deal with issues that may transcend local government boundaries. Regional plans generally have wide scope and form. They can address issues such as land use distribution, transport corridors and protection of river catchments, and provide a framework for detailed local planning.
Remnant vegetation	A small fragmented portion of the former dominant vegetation which once covered the area before being cleared for human land use.
Rill erosion	Erosion in numerous small channels. A depth of 300mm may be used as a criterion to distinguish rills from gullies.
Riparian vegetation	Vegetation situated on or belonging to a river or a streambank.
Run-off	The portion of precipitation (rain, hail, snow) which flows across the ground surface as water; major agent of water erosion.
Salt concentration	Level of salts on the land surface or in soil, rocks or water.
Sedimentation	Material of varying size, both mineral and organic, deposited away from its site of origin by the action of water, wind, gravity or ice.
Seepage	The process by which water percolates downwards and / or laterally through the soil, often emerging at ground level lower down the slope.
Sheet erosion	The removal of a fairly uniform layer of soil from the land surface by raindrop splash and / or runoff.
Species	A group of organisms which are biologically capable of breeding and producing fertile offspring; the lowest taxonomic classification in use.

Sustainability	Managing our natural resources in a way that maintains their environmental, economic and cultural values, so that they continue to be available for future generations.
Terrestrial ecosystem	All living and non-living elements of a land-based environment and the relationship between them.
Threatened species	Species facing threatening processes such as extensive destruction of habitat; the process may threaten the survival, abundance or evolutionary development of the species.
Turbidity	A measure of the amount of suspended solids (usually fine clay or silt particles) in water light in the water.
Urban Water Sensitive Urban Design	A design approach that endeavours to highlight stormwater treatment and use as a primary urban design feature. Includes residential, commercial and industrial areas and activities.
Water table	The level below which the ground is saturated with water.
Wetlands	Land areas along fresh and salt watercourses that are flooded all or part of the time, leading to the development of a characteristic suite of plant and animal communities and determining the type and productivity of soils.

Abbreviations

AEE	Association of Environmental Education
ASS	Acid Sulfate Soil
CCCEN	Central Coast Community Environment Network
CCCMB	Central Coast Catchment Management Board
CCRVC	Central Coast Regional Vegetation Committee
CCURMC	Central Coast Unregulated Rivers Management Committee
COSS	Coastal Open Space System
CSIRO	Commonwealth Scientific and Industrial Research Organisation
DCP	Development Control Plans
DLG	Department of Local Government
DLWC	Department of Land & Water Conservation
DMR	Department of Mineral Resources
EPA	Environmental Protection Authority NSW
ESD	Ecologically Sustainable Development
GCC	Gosford City Council
GWJWA	Gosford Wyong Joint Water Authority
KMMGMC	Kulnura Mangrove Mountain Groundwater Management Committee
LALC	Local Aboriginal Land Council
LEP	Local Environment Plan
LHCCREMS	Lower Hunter Central Coast Regional Environmental Management Strategy
LMCC	Lake Macquarie City Council
NPWS	National Parks & Wildlife Service
NREM	Natural Resource and Environmental Management
NSWAg	Nsw Agriculture
REEC	Rumbalara Environmental Education Centre
RTA	Roads & Traffic Authority
SF	State Forests of NSW
SOE	State of the Environment Report
WA	Waterways Authority
WSC	Wyong Shire Council
WSUD	Water Sensitive Urban Design

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A summary of PLANT observations for the year 2002

A partially completed summary sheet might look like this.

In this example events are shown as a line. You may like to include other events such as periods of heavy leaf fall, seed maturity etc in different colours and labelling.
On the birds summary sheet the lines may indicate when the birds are present or when they are breeding. For frogs it may be when they call.

Common names are often sufficient for birds but plants are best identified by their scientific names.

Send for more free summary sheets as required. Include your name and contact details in this space and replacement sheets will be sent automatically.

SUMMARY

A summary of PLANT observations for the year

NAME OF PLANTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC

Send for more free summary sheets as required. Include your name and contact details in this space and replacement sheets will be sent automatically.

A summary of PLANT observations for the year

NAME OF PLANTS	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC

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SUMMARY

A summary of REPTILES AND FROGS obserations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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A summary of REPTILES AND FROGS observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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SUMMARY

A summary of FISH AND MARINE LIFE observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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A summary of FISH AND MARINE LIFE observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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SUMMARY

A summary of BIRD observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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A summary of BIRD observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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SUMMARY

A summary of MAMMAL observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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A summary of MAMMAL observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

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SUMMARY

A summary of INVERTEBRATE observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

Send for more free summary sheets as required. Include your name and contact details in this space and replacement sheets will be sent automatically.

A summary of INVERTEBRATE observations for the year

NAME	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	

Send for more free summary sheets as required. Include your name and contact details in this space and replacement she

SUMMARY

Atlas of NSW Wildlife

The Atlas of NSW Wildlife is a computer database containing locality records of fauna and flora species occurring within New South Wales. The system is administered by the National Parks and Wildlife Service (NPWS), however, anyone can submit information to the database using the Field Data sheets available from NPWS.

The system is used as a tool for both land and species management, at either a localised or state-wide level.

Information gathered assists land managers in making informed decisions and provides essential information for the ongoing management and conservation of our unique flora and fauna.

The value of the Atlas of NSW Wildlife depends upon the quality and extent of the data. A wide spread of records for a species, both geographically and temporally, is needed if we are to understand the species' needs and hence conserve it.

We encourage all interested people to use the system and to submit their observations and records for inclusion.

For copies of the Field Data Book or lodging records contact:

NSW National Parks and Wildlife Service
Atlas of NSW Wildlife
PO Box 1967
HURSTVILLE NSW 2220