VEGETATION
JERVIS BAY - 9027

VEGETATION KEY

A-N Map Unit Code	Map Unit Name	Principal Species	Vegetation Structure	Physical Environment	Area (ha) (Rounded)
Rainforests					
RF p113	Coastal Warm Temperate Rainforest	Trees: *Acmena smithii, Livistona australis, Ceratopetalum apetalum, Cryptocarya glaucescens, Synoum glandulosum*. Shrubs: *Tasmannia insipida, Euponatia laurina, Cyathea australis, Ficus coronata, Psychotria loniceroides*. Climbers: *Morinda jasminoides, Smilax australis, Microsorum scandens, Marsdenia rostrata, Palmeria scandens, Pandorea pandorana, Parsonsia straminea, Cissus hypoglauca, Pyrrosia rupestris, Arthropteris tenella, Eustrephus latifolius*. Groundcover: *Lastreopsis microsora, Blechnum cartilagineum, B. patersonii, Asplenium australasicum, Doodia aspera*.	Closed forest with lianes and ferny groundcover.	Clay loams, moist sheltered gullies below 400m, Illawarra scarp & Clyde district.	190
RF p210	Temperate Littoral Rainforest	Trees: *Acmena smithii, Guioa semiglauca, Livistona australis, Diospyros australis, Syncarpia glomerulifolia, Podocarpus elatus, Eucalyptus botryoides, Pittosporum undulatum*. Shrubs: *Cassine australis, Euponatia laurina, Ripogonum album*. Climbers: *Marsdenia rostrata, Sarcopetalum harveyanum, Stephania japonica, Smilax australis, Eustrephus latifolius, Cissus hypoglauca, Geitonoplesium cymosum*. Groundcover: *Optimemus imbecillis, Viola hederacea, Pellaea falcata, Gahnia aspera,*.	Closed forest with lianes and sparse groundcover.	Sandsights and coastal gullies within 200m of the sea, scattered patches along coast.	40
Wet Sclerophyll Forests (shrubby)					
WSF a183	South Coast Hinterland Wet Forest	Trees: *Cyathea australis, Elaeocarpus reticulatus, Eucalyptus cypellocarpa, Eucalyptus muelleriana, Pittosporum undulatum, Synoum glandulosum* subsp. *glandulosum* Shrubs: *Leucopogon lanceolatus* var. *lanceolatus, Notelaea venosa, Persoonia linearis, Pittosporum revolutum* Climbers: *Billardiera scandens, Cissus hypoglauca, Eustrephus latifolius, Geitonoplesium cymosum, Hibbertia dentata, Pandorea pandorana, Smilax australis, Tylophora barbata*. Groundcover: *Blechnum cartilagineum, Calochlaena dubia, Desmodium varians, Dianella caerulea, Doodia aspera, Gahnia melanocarpa, Lomandra longifolia, Optimemus imbecillis, Poa meionectes, Pteridium esculentum, Schelhammera undulata, Viola hederacea*.	Tall eucalypt forest with prominent sub-strata of small trees, tree ferns, moist shrubs and many vines over a dense groundcover of ferns and graminoids.	Predominantly on sandy loam soils, in moist sheltered gullies and slopes on the low coastal ranges from Yadboro to Bega.	60
WSF p99	Illawarra Gully Wet Forest	Trees: *Livistona australis, Syncarpia glomulifera, Eucalyptus pilularis, E. paniculata*. Shrubs: *Synoum glandulosum, Breynia oblongifolia, Notelaea longifolia*. Climbers: *Eustrephus latifolius, Tylophora barbata, Hibbertia scandens, Glycine clandestina, Hibbertia dentata, Geitonoplesium cymosum*. Groundcover: *Lomandra longifolia, Pteridium esculentum, Dianella caerulea, Entolasia stricta, Optimemus imbecillis, Imperata cylindrica, Pseuderanthemum variabile*.	Tall eucalypt forest with a moist open understorey.	Sheltered slopes and gullies with loamy soils below 400m, Illawarra-Batemans Bay.	1300
WSF p110	Warm Temperate Layered Forest	Trees: *Acmena smithii, Livistona australis, Synoum glandulosum, Pittosporum undulatum, Cryptocarya glaucescens, Eucalyptus saligna/botryoides*. Shrubs: *Notelaea venosa, Cerocdendrum tomentosum, Moinda jasminoides, Marsdenia rostrata, Tylophora barbata, Stephania japonica*.	Tall eucalypt forest with dense subcanopy and moist shrubby understorey.	Sheltered gullies with loamy soils below 400m, Illawarra-Batemans Bay.	<10
Wet Sclerophyll Forests (grassy)					
WSF p86	Murramarang Lowlands Forest	Trees: *Eucalyptus paniculata, Allocasuarina littoralis, E. longifolia, Corymbia maculata*. Shrubs: *Hibbertia aspera, Leucopogon junipernius, Notelaea longifolia*. Climbers: *Glycine clandestina, Billardiera scandens*. Groundcover: *Lomandra longifolia, Imperata cylindrica, Pratia purpurascens, Entolasia stricta, Dianella caerulea, Lepidosperma laterale, Dichondra* spp., *Lagenifera stipitata, Optimemus imbecillis, Brunoniella pumilio, Scheilhammera undulata*.	Eucalypt forest with open shrub layer and prominent grassy groundcover.	Loamy soils on coastal lowlands below 60m, Jervis Bay hinterland & Murramarang.	140
WSF p95	Southern Turpentine Forest	Trees: *Syncarpia glomulifera, Corymbia gummifera, Eucalyptus pipenta, E. scias*. Shrubs: *Persoonia linearis, Leucopogon lanceolatus, Acacia obtusifolia, Tetratheca thymifolia, Elaeocarpus reticulatus, Banksia spinulosa*. Climbers: *Billardiera scandens*. Groundcover: *Dianella caerulea, Entolasia stricta, Pteridium esculentum, Lepidosperma urophorum*.	Rather dense eucalypt forest with open shrubby understorey.	Sheltered slopes with loamy soils below 600 m, Bundanoon-Termeil.	3400
Grassy Woodlands					
GW p34	South Coast Grassy Woodland	Trees: *Eucalyptus tereticornis, E. eugenioides*. Shrubs: *Pittosporum undulatum, Breynia oblongifolia, Rapanea variabilis*. Climbers: *Geitonoplesium cymosum, Eustrephus latifolius, Glycine clandestina, Pandorea pandorana*. Groundcover: *Dichondra* spp., *Desmodium gunnii, Microlaena stipoides, Optimemus imbecillis, Carex longebrachiata, Poa labillardierei, Commelina cyanea, Pratia purpurascens, Themeda australis*.	Eucalypt woodland with open shrub layer and continuous grassy groundcover.	Loamy soils in coastal rainshadow valleys below 450m, Albion Park-Moruya.	90
Grasslands					
GL p434	Headland Grassland	Shrubs: *Banksia integrifolia subsp. integrifolia, Casuarina glauca, Acacia sophorae, Westringia fruticosa*. Groundcover: *Themeda australis, Cynodon dactylon, Microlaena stipoides, Poa poiformis, Lomandra longifolia, Isolepis nodosa, Centella asiatica, Glycine microphylla, Hibbertia scandens, Kennedia rubicunda, Commelina cyanea, Plectranthus parviflorus, Viola betonicifolia*.	Dense tussock grassland with occasional scattered shrubs.	Exposed, steep or flat rocky coastlines with volcanic or other fertile clay-loam soils, 0-100m; scattered throughout coast.	<10
Dry Sclerophyll Forests (shrubby/grassy)					
DSF p85	Currambene-Batemans Lowlands Forest	Trees: *Allocasuarina littoralis, Corymbia gummifera, C. maculata, Eucalyptus pilularis*. Shrubs: *Pimelea linifola, Banksia spinulosa, Persoonia linearis, Lomata ilicifolia*. Climbers: *Billardiera scandens, Hardenbergia violacea*. Groundcover: *Entolasia stricta, Lomandra longifolia, Dianella caerulea, Lepidosperma laterale, Pteridium esculentum, Imperata cylindrica, Themeda australis, Lomandra multiflora, L. obliqua*.	Eucalypt forest with open shrub layer and grassy groundcover.	Coastal lowlands below 100m, Kangaroo Valley-Batemans Bay.	11800
Dry Sclerophyll Forests (shrubby)					
DSF e61	Coastal Foredune Scrub	Trees: *Banksia integrifolia subsp. integrifolia*. Shrubs: *Acacia longifolia, Leucopogon parviflorus, Rhagodia candolleana* subsp. *candolleana* Groundcover: *Acitites megalocarpa, Carpobrotus glaucescens, Isolepis nodosa, Lomandra longifolia, Muehlenbeckia adpressa, Ovalis perennans, Pteridium esculentum, Spinifex sericeus, Zoysia macrantha*	Variable shrub stratum, occasional small emergent trees and patchy groundcover.	Loose sands on coastal foredunes, throughout coast.	280
DSF p64	Coastal Sand Forest	Trees: *Banksia serrata, Eucalyptus botryoides, B. integrifolia, E. pilularis*. Shrubs: *Breynia oblongifolia, Monotoca elliptica, Allocasuarina littoralis, Acacia longifolia*. Climbers: *Glycine clandestina, Hibbertia scanders*. Groundcover: *Pteridium esculentum, Lomandra longifolia, Imperata cylindrica, Dianella caerulea, Goonocarpus teucrioides*.	Eucalypt forest with mixed understorey of sclerophyll shrubs, ferns, grasses & forbs.	Hind dunes and alluvial sands mostly below 20m, along coast Broken Bay-Moruya.	4700
DSF p148	Shoalhaven Sandstone Forest	Trees: *Corymbia gummifera, Eucalyptus sclerophylla, E. sieberi*. Shrubs: *Lambertia formosa, Persoonia levis, Banksia spinulosa, Petrophile pedunculata, Leptospermum trinervium, Lomata ilicifolia, Bossiaea heterophylla, Hakea lanyipes, Platysace linearifolia, Pimelea linifolia, Tetratheca thymifolia*. Groundcover: *Lomandra obliqua, Patersonia sericea, Entolasia stricta, Caustis flexuosa, Cyathochaeta diandra*.	Eucalypt woodland or forest with abundant sclerophyll shrubs and groundcover of sedges and forbs.	Sandy loams on sandstone plateaus up to 700m from Robertson to Mogo.	3500
Heathlands					
HL p63	Littoral Thicket	Trees: *Banksia integrifolia, Leptospermum laevigatum, Acmena smithii, Eucalyptus botryoides*. Shrubs: *Breynia oblongifolia, Monotoca elliptica, Notelaea longifolia*. Climbers: *Stephania japonica*. Groundcover: *Lomandra longifolia, Commelina cyanea, Hibbertia scanders, Pteridium esculentum, Dichondra* spp., *Viola hederacea, Optimemus imbecillis, Imperata cylindrica*.	Tall dense scrub and forest with open groundcover.	Beach dunes and clay-soil headlands within 200m of the sea.	290
HL p117	Coastal Sandstone Plateau Heath	Trees: *Corymbia gummifera*. Shrubs: *Isopogon anemonifolius, Banksia ericifolia, Lambertia formosa, Epacris microphylla, Leptospermum trinervium, Hakea teretifolia, Pimelea linifolia, Hakea lanyipes, Banksia oblongifolia, Pultenaea elliptica, Petrophile pulchella, Xanthorrhoea resinifera*. Groundcover: *Dampiera stricta, Leycrofia scariosa, Actinotus minor, Cyathochaeta diandra, Lindsaea linearis, Lomandra obliqua*.	Dense to dense shrub canopy with emergent mallees and groundcover of sedges & forbs.	Damp sandy loams on coastal sandstone plateaus below 600m, Hornsby, Woronora & Beecroft plateaus.	4900
HL p122	Morton Mallee-Heath	Trees: *Eucalyptus parvifolia, Corymbia gummifera*. Shrubs: *Leptospermum trinervium, Hakea teretifolia, Banksia ericifolia, B. spinulosa, Epacris microphylla, Hakea lanyipes, Banksia paludosa, Isopogon anemonifolius, Lambertia formosa, Persoonia mollis ssp leptophylla*. Groundcover: *Leycrofia scariosa, Patersonia sericea, Lindsaea linearis, Goroncarpus tetragynus, Goodenia bellidifolia, Pillotrivi deusta*.	Open to dense shrub canopy with emergent mallees & thick groundcover of sedges & forbs.	Sandstone plateaus with damp shallow sandy loams 50-750m, Morton plateau-Sussex Inlet.	470
HL p126	Coastal Rock Plate Heath	Shrubs: *Allocasuarina distyla, Darwinia fascicularis, Epacris microphylla, Leucopogon microphyllus, Acacia suaveolens, Banksia ericifolia, Kunzea ambigua, Leptospermum squarrosum, Dillwynia floribunda, Zieria laevigata*. Groundcover: *Leycrofia scariosa, Lepidosperma viscidum, Actinotus minor*.	Open to clumped shrub canopy with patchy groundcover of sedges & forbs.	Skeletal sands on massive sandstone pavements up to 400m, Broken Bay-Beecroft Peninsula.	120
HL p127	Sandstone Headland Scrub	Shrubs: *Allocasuarina distyla, Banksia ericifolia, Melaleuca armillaris, Phebalium squamulosum ssp argenteum, Baeckea imbricata, darwinia fascicularis, Rulingia hermannifolia, Epacris longiflora, Westringia fruticosa*. Groundcover: *Isolepis nodosa*.	Dense shrub canopy with sparse groundcover of sedges & forbs.	Sandstone headlands exposed to sea winds, up to 100m, Sydney coastline.	80
HL p139	Coastal Sandplain Heath	Shrubs: *Banksia serrata, Bossiaea ensata, Acacia suaveolens, Ricinocarpos pinifolius, Isopogon anemonifolius, Lambertia formosa, Bossiaea heterophylla, Leptospermum laevigatum; Allocasuarina distyla, Persoonia levis, Pimelea linifolia*. Groundcover: *Xanthosia pilosa, Goroncarpus teucrioides, Hypolaena fastigiata, Lomandra glauca, Dampiera stricta, Lepidosperma concavum*.	Dense to open shrub canopy with open groundcover of forbs and sedges.	Podsolised sand dunes, usually perched on coastal plateaus up to 150m, Port Hacking & Jervis Bay.	630
Freshwater Wetlands					
FrW e57	Southeast Lowland Swamp	Shrubs: *Baeckea linifolia, Dillwynia glaberrima, Epacris obtusifolia, Epacris paludosa, Leptospermum continentale, Melaleuca squarrosa, Sprengelia incarnata*. Climbers: *Cassytha glabella*. Groundcover: *Empodisma minus, Gleichenia dicarpa, Gymnoschoenus sphaerocephalus, Leptocarpus tenax, Selaginella uliginosa, Xanthorrhoea resinifera, Xyris operculata*.	Dense shrub canopy, scattered emergent eucalypts on swamp margins, tall dense groundcover dominated by sedges, grasses and ferns.	Waterlogged soils in broad open gullies below 100m on Tertiary alluvium, sandy colluvial granitoid soils and Holocene sands; Jervis Bay to Nadgee area and lower Wallagaraugh River.	330
FrW p129	Coastal Upland Swamp	Shrubs: *Baeckea linifolia, Banksia ericifolia, Epacris obtusifolia, Sprengelia incarnata, Xanthorrhoea resinifera, Baeckea imbricata, Leptospermum juniperinum, Banksia oblongifolia, B. robur*... Climbers: *Cassytha glabella*. Groundcover: *Leptocarpus tenax, Empodisma minus, Leycrofia scariosa, Selaginella uliginosa, Tissera spathulata, Dampiera stricta, Mitrasacme polymorpha, Lobelia dundenorum, Utricularia linearis*.	Open to dense shrub canopy with dense groundcover of sedges and forbs.	Humic sandy loams in headwater valleys on sandstone 50-600m, Hornsby to Jervis Bay and Ulladulla.	330
FrW p130	Blue Mountains - Shoalhaven Hanging Swamps	Shrubs: *Leptospermum juniperinum, Baeckea linifolia, Sprengelia incarnata, Epacris obtusifolia, Hakea teretifolia, Banksia ericifolia*. Groundcover: *Empodisma minus, Leptocarpus tenax, Gymnoschoenus sphaerocephalus, Lepidosperma limicola, Drosera binata, Xyris operculata*.	Open shrub canopy with dense groundcover of sedges & forbs.	Humic sandstone soils in headwater valleys 450-1100m, Blue Mtns-Morton plateau.	<10
FrW p313	Coastal Freshwater Lagoon	Shrubs: *Melaleuca ericifolia*. Groundcover: *Baumea articulata, Persicaria praetermissa, Phragmites australis, Triglochin procerum, Typha orientalis, Cladium procerum*.	Patchy but dense shrub canopy with dense cover of reeds.	Freshwater or slightly brackish coastal lagoons below 10m, scattered throughout coast.	30
Forested Wetlands					
FoW p30	South Coast River Flat Forest	Trees: *Eucalyptus elata, Angophora floribunda*. Shrubs: *Rubus parviflorus, Breynia oblongifolia, Hymenanthera dentata, Acacia mearnsii*. Climbers: *Glycine clandestina, Stephania japonica*. Groundcover: *Microlaena stipoides, Dichondra* spp., *Lomandra longifolia, Carex longebrachiata, Pteridium esculentum, Adiantum aethiopicum, Optimemus aemulus, Pratia purpurascens, Echinopogon ovatus, Entolasia marginata, Stellaria flaccida, Desmodium varians, Hydrocotyle laxiflora*.	Open eucalypt forest with an open shrub layer and dense cover of grasses & forbs.	Sandy alluvial flats along streams in coastal sand flats below 30m on Deua, Clyde & Shoalhaven rivers.	<10
FoW p45	Coastal Sand Swamp Forest	Trees: *Eucalyptus robusta*. Shrubs: *Leptospermum polygalifolium, Acacia longifolia, Melaleuca linariifolia, M. ericifolia, Leptospermum continentale*. Groundcover: *Gahnia clarkei, Selaginella uliginosa, Imperata cylindrica, Baumea juncea, B. articulata*.	Low eucalypt forest with open shrub layer and dense groundcover of sedges & forbs.	Drainage lines and depressions in coastal sand flats below 10m, throughout coast.	720
FoW p105	Floodplain Swamp Forest	Trees: *Casuarina glauca, Melaleuca styphelioides*. Climbers: *Parsonsia straminea*. Groundcover: *Commelina cyanea, Phragmites australis, Alternanthera denticulata, Carex appressa, Centella asiatica, Cynodon dactylon, Juncus kraussii* subsp. *australiensis*.	Low, rather dense forest with open shrub layer and semi-continuous groundcover.	Brackish coastal floodplain drainage lines and depressions below 10m throughout coast.	370
FoW p106	Estuarine Fringe Forest	Trees: *Casuarina glauca*. Shrubs: *Myoporum australis*. Groundcover: *Juncus kraussii* subsp. *australiensis, Samolus repens, Sarcocornia quinqueflora, Suaeda australis, Baumea juncea, Cynodon dactylon*.	Low, rather dense forest with open shrub layer and continuous groundcover.	In sandy saline sediments fringing high tide mark in coastal estuaries below 5m throughout coast.	<10
FoW p107	Estuarine Creekflat Scrub	Trees: *Melaleuca ericifolia, Casuarina glauca*. Climbers: *Parsonsia straminea*. Groundcover: *Baumea juncea, Lobelia alata, Baumea articulata, Leptinella longipes, Samolus repens, Selliera radicans*.	Dense scrub with continuous groundcover of sedges and forbs.	Estuarine shores and saline creek flats below 10m, south from Lake Illawarra.	550
Saline Wetlands					
eE5	River Mangrove	Trees: *Aegiceras corniculata*. Groundcover: *Sarcocornia quinqueflora, Samolus repens, Juncus kraussii, Suaeda australis*.	Low dense forest or scrub with bare ground or patchy herbaceous groundcover.	Estuarine mudflats exposed to daily tidal inundation, north from Merimbula Lake.	20
SL p109	Estuarine Mangrove Forest	Trees: *Avicennia marina* subsp. *australasica, Aegiceras corniculata*. Groundcover: *Sarcocornia quinqueflora*.	Low dense forest or scrub with bare ground or patchy herbaceous groundcover.	Estuarine mudflats exposed to daily tidal inundation, throughout coast.	290
SL p509	Estuarine Saltmarsh	Groundcover: *Sarcocornia quinqueflora, Samolus repens, Juncus kraussii, Suaeda australis*.	Mosaics of succulent herbfield and sedgeland.	Estuarine mudflats exposed to regular tidal inundation, throughout coast.	110
Non-Native/Not-Vegetated Areas					
NV	Modified or disturbed land	Urbanised or bare areas largely without native vegetation; forests, shrublands, grasslands and herbfields comprised primarily of exotic plant species, including exotic plantations and pastures. May include variable component of native species depending on seasonal conditions and regrowth rates.			

LOCALITY DIAGRAM

KEY TO ADJOINING SHEETS

MOSSVALE 8928	KIAMA 9028	
ULLADULLA 9027	JERVIS BAY 9027	
BATEMANS BAY 8926		

G N

SCALE 1:100 000

2 1 0 2 4 6 8 10

Kilometres

TRANSVERSE MERCATOR PROJECTION

Horizontal Datum: Geodetic Datum of Australia 1994.
Numbered grid lines are 1000 metre intervals of the Australian Map Grid, Zone 56.
Grid values are shown in full only at the south-west corner of the map.

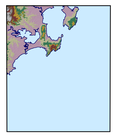
Edition 3, December 2009

Cartography by Steve Cox

MAP LEGEND

- Vegetation Community Boundary
- Town
- Locality
- Mountain or Hill
- Highway
- Road
- Railway
- Built Up Area
- River or Wetland
- Creek or Channel
- Waterbody

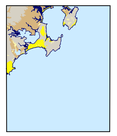
LANDFORM



Elevation (m)

- 0 - 27
- 27 - 54
- 54 - 81
- 81 - 108
- 108 - 135
- 135 - 162
- 162 - 189
- 189 - 216

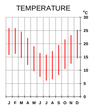
GEOLOGY



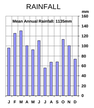
Geological Groups

- Aeolian Sediments
- Alluvial Sediments
- Basalt
- High Quartz Sedimentary
- Low Quartz Sedimentary
- Marine Sediments
- Water

TEMPERATURE



RAINFALL



Climatic Data Obtained from Meteorological Station:
NOWRA RAN AIR STATION

This map forms part of the Native Vegetation Mapping Report Series 4, NSW Native Vegetation Mapping Program.

Map compiled by staff of the Scientific Services Division, NSW Department of Environment, Climate Change & Water.

* Drainage data supplied by NSW Department of Lands, Panorama Ave Bathurst NSW 2795.
* Geological data supplied by the Department of Mineral Resources, PO Box 536 St Leonards NSW 1590.

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