

EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 2: Coast Banksia Woodland

Description:

Restricted to near coastal localities on secondary or tertiary dunes behind Coastal Dune Scrub. Usually dominated by a woodland overstorey of Coast Banksia *Banksia integrifolia* to 15 m tall over a medium shrub layer. The understorey consists of a number of herbs and sedges, including scramblers.

Large trees:

Species	DBH(cm)	#/ha
<i>Banksia</i> spp.	50 cm	10 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Banksia integrifolia</i> ssp. <i>integrifolia</i>	Coast Banksia

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	20%	T
Medium Shrub	3	30%	MS
Large Herb	2	1%	LH
Medium Herb	3	15%	MH
Small or Prostrate Herb	2	10%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	1	5%	MTG
Ground Fern	1	5%	GF
Scrambler or Climber	1	10%	SC
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Myoporum insulare</i>	Common Boobialla
T	<i>Acacia longifolia</i> ssp. <i>sophorae</i>	Coast Wattle
MS	<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Seaberry Saltbush
MS	<i>Melaleuca ericifolia</i>	Swamp Paperbark
MS	<i>Leptospermum laevigatum</i>	Coast Tea-tree
MS	<i>Monotoca elliptica</i> s.l.	Tree Broom-heath
LH	<i>Senecio linearifolius</i>	Fireweed Groundsel
LH	<i>Urtica incisa</i>	Scrub Nettle
MH	<i>Senecio biserratus</i>	Jagged Fireweed
MH	<i>Lobelia anceps</i>	Angled Lobelia
MH	<i>Sambucus gaudichaudiana</i>	White Elderberry
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Apium prostratum</i> ssp. <i>prostratum</i>	Sea Celery
LTG	<i>Carex appressa</i>	Tall Sedge
MTG	<i>Lepidosperma gladiatum</i>	Coast Sword-sedge
MTG	<i>Isolepis inundata</i>	Swamp Club-sedge
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge
GF	<i>Pteridium esculentum</i>	Austral Bracken
SC	<i>Tetragonia implexicoma</i>	Bower Spinach
SC	<i>Galium australe</i>	Tangled Bedstraw

EVC 2: Coast Banksia Woodland - Wilsons Promontory bioregion

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

40 % cover

Logs:

10 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Senecio jacobaea</i>	Ragwort	high	low
LH	<i>Conyza bonariensis</i>	Flaxleaf Fleabane	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Centaureum erythraea</i>	Common Centaury	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 3: Damp Sands Herb-rich Woodland

Description:

A low, grassy or bracken-dominated eucalypt forest or open woodland to 15 m tall with a large shrub layer and ground layer rich in herbs, grasses, and orchids. Occurs mainly on flat or undulating areas on moderately fertile, relatively well-drained, deep sandy or loamy topsoils over heavier subsoils (duplex soils).

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus viminalis</i> ssp. <i>pryoriana</i>	Rough-barked Manna Gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	5	25%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	5	10%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Ground Fern	1	15%	GF
Bryophytes/Lichens	na	10%	BL

LF Code

Species typical of at least part of EVC range

Common Name

T	<i>Banksia integrifolia</i> ssp. <i>integrifolia</i>	Coast Banksia
MS	<i>Banksia serrata</i>	Saw Banksia
MS	<i>Epacris impressa</i>	Common Heath
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Leptospermum myrsinoides</i>	Heath Tea-tree
SS	<i>Leucopogon virgatus</i>	Common Beard-heath
SS	<i>Dillwynia glaberrima</i>	Smooth Parrot-pea
SS	<i>Amperea xiphoclada</i> var. <i>xiphoclada</i>	Broom Spurge
PS	<i>Astroloma humifusum</i>	Cranberry Heath
PS	<i>Hibbertia acicularis</i>	Prickly Guinea-flower
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
SH	<i>Opercularia varia</i>	Variable Stinkweed
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Poranthera microphylla</i>	Small Poranthera
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LTG	<i>Austrostipa mollis</i>	Supple Spear-grass
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Lomandra filiformis</i>	Wattle-headed Mat-rush
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken

EVC 3: Damp Sands Herb-rich Woodland - Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
LTG	<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	high	high
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
STG	<i>Briza minor</i>	Lesser Quaking-grass	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 5: Coastal Sand Heathland

Description:

An open or closed heathland occurring only on the most exposed coastal headlands exposed to extreme exposure to wind and salt-spray. Often wind-stripped patterns in the vegetation are typically evident.

Life forms:

Life form	#Spp	%Cover	LF code
Small Shrub	10	55%	SS
Large Herb	2	5%	LH
Medium Herb	2	5%	MH
Small Herb	1	1%	SH
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		60%	

LF Code	Species typical of at least part of EVC range	Common Name
SS	<i>Alyxia buxifolia</i>	Sea Box
SS	<i>Exocarpos syrticola</i>	Coast Ballart
SS	<i>Correa alba</i>	White Correa
SS	<i>Kunzea ambigua</i>	White Kunzea
LH	<i>Chrysocephalum apiculatum</i> s.l.	Common Everlasting
MH	<i>Chrysocephalum baxteri</i>	White Everlasting
MTG	<i>Poa poiformis</i>	Coast Tussock-grass
MTG	<i>Austrodanthonia setacea</i>	Bristly Wallaby-grass
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MNG	<i>Baumea juncea</i>	Bare Twig-sedge

Recruitment:

Continuous

Organic Litter:

40% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 5: Coastal Sand Heathland – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 6: Sand Heathland

Description:

Treeless heathland (or with scattered emergent mallee-form eucalypts and/or Banksias) occurring on deep infertile sands. Consists of a low, dense heathy shrub layer and a number of sedges and sedge-like species. Grasses and herbs are notably absent or infrequent.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	7	40%	MS
Small Shrub	6	15%	SS
Prostrate Shrub	2	1%	PS
Medium Herb	3	5%	MH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	3	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Leptospermum myrsinoides</i>	Heath Tea-tree
MS	<i>Epacris impressa</i>	Common Heath
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Banksia marginata</i>	Silver Banksia
SS	<i>Platylobium obtusangulum</i>	Common Flat-pea
SS	<i>Dillwynia glaberrima</i>	Smooth Parrot-pea
SS	<i>Xanthosia tridentata</i>	Hill Xanthosia
SS	<i>Leucopogon virgatus</i>	Common Beard-heath
PS	<i>Xanthosia pusilla</i> spp. agg.	Heath Xanthosia
PS	<i>Acrotriche serrulata</i>	Honey-pots
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
MH	<i>Platysace heterophylla</i>	Slender Platysace
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Patersonia glabrata</i>	Leafy Purple-flag
MTG	<i>Lepidosperma filiforme</i>	Common Rapier-sedge
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MNG	<i>Hypolaena fastigiata</i>	Tassel Rope-rush
MNG	<i>Schoenus brevifolius</i>	Zig-zag Bog-sedge
GF	<i>Lindsaea linearis</i>	Screw Fern
SC	<i>Cassytha glabella</i>	Slender Dodder-laurel

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

20% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 6: Sand Heathland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 8: Wet Heathland

Description:

A low, generally treeless heathland although sometimes emergent eucalypts may be present. Occurs on lower slopes, flats or depressions, which are infertile and subjected to prolonged water logging. Understorey is often dominated by a range of sedges, grasses and shrubs.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	5	50%	MS
Small Shrub	2	5%	SS
Large Herb	1	5%	LH
Medium Herb	2	5%	MH
Large Tufted Graminoid	3	20%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	4	20%	MNG
Ground Fern	1	10%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Melaleuca squarrosa</i>	Scented Paperbark
MS	<i>Epacris obtusifolia</i>	Blunt-leaf Heath
MS	<i>Sprengelia incarnata</i>	Pink Swamp-heath
SS	<i>Epacris lanuginosa</i>	Woolly-style Heath
LH	<i>Xyris operculata</i>	Tall Yellow-eye
MH	<i>Selaginella uliginosa</i>	Swamp Selaginella
LTG	<i>Xanthorrhoea australis</i>	Austral Grass-tree
LTG	<i>Gymnoschoenus sphaerocephalus</i>	Button Grass
LTG	<i>Baloskion tetraphyllum ssp. tetraphyllum</i>	Tassel Cord-rush
MTG	<i>Lepidosperma filiforme</i>	Common Rapier-sedge
MNG	<i>Leptocarpus tenax</i>	Slender Twine-rush
MNG	<i>Empodisma minus</i>	Spreading Rope-rush
MNG	<i>Baumea tetragona</i>	Square Twig-sedge
MNG	<i>Schoenus brevifolius</i>	Zig-zag Bog-sedge
GF	<i>Gleichenia dicarpa</i>	Pouched Coral-fern
GF	<i>Lindsaea linearis</i>	Screw Fern
SC	<i>Cassytha glabella</i>	Slender Dodder-laurel

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

20% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 8: Wet Heathland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 9: Coastal Saltmarsh

Description:

Occurs on and immediately above marine and estuarine tidal flats and contains distinct floristic communities as bands or zones in the same location, depending on the positioning of the various floristic communities in relation to the saline environment. Consists of a range of life forms including succulent herbs, low succulent shrubs, rushes and sedges.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	20%	MS
Small Shrub	1	1%	SS
Medium Herb	3	20%	MH
Small or Prostrate Herb	2	15%	SH
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	1	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Sclerostegia arbuscula</i>	Shrubby Glasswort
SS	<i>Suaeda australis</i>	Austral Seablite
SS	<i>Frankenia pauciflora</i> var. <i>gunnii</i>	Southern Sea-heath
MH	<i>Sarcocornia quinqueflora</i>	Beaded Glasswort
MH	<i>Samolus repens</i>	Creeping Brookweed
MH	<i>Limonium australe</i>	Yellow Sea-lavender
MH	<i>Hemichroa pentandra</i>	Trailing Hemichroa
SH	<i>Disphyma crassifolium</i> ssp. <i>clavellatum</i>	Rounded Noon-flower
SH	<i>Mimulus repens</i>	Creeping Monkey-flower
MNG	<i>Sporobolus virginicus</i>	Salt Couch
MNG	<i>Triglochin striatum</i>	Streaked Arrowgrass
MNG	<i>Distichlis distichophylla</i>	Australian Salt-grass
MTG	<i>Juncus revolutus</i>	Creeping Rush

Recruitment:

Continuous

Organic Litter:

10 % cover

Weediness:

There are no consistent weeds in this EVC.

EVC 9: Coastal Saltmarsh - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 10: Estuarine Wetland

Description:

Grows on anaerobic peat-rich muds on the edges of estuarine waterbodies such as creeks, rivers and lagoons with intermediate salinity conditions. Vegetation is determined by fluctuating salinity, which varies in time from occasionally fresh to brackish or occasionally saline according to river flood and marine tide events. Dominated by graminoids and halophytic herbs and often fringed by a tall scrub layer of Swamp Paperbark *Melaleuca ericifolia* at the landward edge.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	10%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	6	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	20%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	1	1%	SC

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Melaleuca ericifolia</i>	Swamp Paperbark
MH	<i>Samolus repens</i>	Creeping Brookweed
MH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
MH	<i>Apium prostratum</i>	Sea Celery
SH	<i>Selliera radicans</i>	Shiny Swamp-mat
SH	<i>Carpobrotus rossii</i>	Karkalla
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LTG	<i>Juncus pallidus</i>	Pale Rush
LNG	<i>Juncus kraussii</i> ssp. <i>australiensis</i>	Sea Rush
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge
MNG	<i>Distichlis distichophylla</i>	Australian Salt-grass

Recruitment:

Episodic/Flood: desirable period of disturbance is every five years

Organic Litter:

10% cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Plantago coronopus</i>	Buck's-horn Plantain	high	high
MH	<i>Cotula coronopifolia</i>	Water Buttons	high	high

EVC 10: Estuarine Wetland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 11: Coastal Lagoon Wetland

Description:

Occupies the margins of coastal freshwater lagoons that have formed behind the coastal dune barrier and the adjacent hills. It has several zones dependent upon water depth and persistence of inundation. Within the lagoon itself where exposure is rare, the vegetation is dominated by graminoids whereas on the lagoon margin a tall scrub layer is common.

Life Forms:

Life form	#Spp	%Cover	LF code
Large Herb	1	1%	LH
Medium Herb	2	5%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	2	15%	LNG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Total understorey projective foliage cover		40%	

LF Code	Species typical of at least part of EVC range	Common Name
LTG	<i>Triglochin procerum</i> s.l.	Water Ribbons
LNG	<i>Phragmites australis</i>	Common Reed
LNG	<i>Eleocharis sphacelata</i>	Tall Spike-sedge

Recruitment:

Continuous

Organic Litter:

20% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 11: Coastal Lagoon Wetland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 12: Wet Swale Herbland

Description:

Occupies seasonally inundated dune swales often forming between the coastal dune barrier and hinterland hills. Soils are predominantly deep peats often with aeolian sand lenses where species typical of drier environments may grow. This EVC typically consists of a range of amphibious rushes, sedges and herbs.

Life forms:

Life form	#Spp	%Cover	LF code
Large Herb	1	1%	LH
Medium Herb	7	15%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	4	25%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	2	1%	SC
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
LH	<i>Villarsia reniformis</i>	Running Marsh-flower
LH	<i>Plantago lanceolata</i>	Ribwort
MH	<i>Potamogeton tricarinatus</i> s.l.	Floating Pondweed
MH	<i>Myriophyllum simulans</i>	Amphibious Water-milfoil
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Lobelia anceps</i>	Angled Lobelia
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Hydrocotyle sibthorpioides</i>	Shining Pennywort
SH	<i>Asperula subsimplex</i>	Water Woodruff
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LNG	<i>Eleocharis sphacelata</i>	Tall Spike-sedge
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Isolepis fluitans</i>	Floating Club-sedge
MTG	<i>Lachnagrostis filiformis</i>	Common Blown-grass
MTG	<i>Triglochin procerum</i> s.l.	Water Ribbons
MNG	<i>Imperata cylindrica</i>	Blady Grass
MNG	<i>Hemarthria uncinata</i> var. <i>uncinata</i>	Mat Grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge
GF	<i>Pteridium esculentum</i>	Austral Bracken
SC	<i>Billardiera scandens</i>	Common Apple-berry
SC	<i>Glycine clandestina</i>	Twining Glycine

Recruitment:

Episodic/Flood: desirable period of disturbance is every five years

Organic Litter:

10% cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Leontodon taraxacoides</i> ssp. <i>taraxacoides</i>	Hairy Hawkbit	high	low
MH	<i>Prunella vulgaris</i>	Self-heal	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	low

EVC 12: Wet Swale Herbland – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 16: Lowland Forest

Description:

Open forest to 25 m tall characterised by the diversity of species and lifeforms in each stratum. It grows on a wide variety of geology and soils but usually aeolian sand deposits on the plains.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Eucalyptus obliqua</i>	Messmate Stringybark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	7	30%	MS
Small Shrub	5	10%	SS
Prostrate Shrub	2	5%	PS
Medium Herb	7	10%	MH
Small or Prostrate Herb	4	5%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	7	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	2	15%	GF
Scrambler or Climber	3	1%	SC
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Hakea decurrens</i>	Bushy Needlewood
MS	<i>Banksia spinulosa</i> var. <i>cunninghamii</i>	Hairpin Banksia
MS	<i>Banksia marginata</i>	Silver Banksia
MS	<i>Acacia verticillata</i>	Prickly Moses
SS	<i>Amperea xiphoclada</i> var. <i>xiphoclada</i>	Broom Spurge
SS	<i>Hibbertia aspera</i> s.l.	Rough Guinea-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
SH	<i>Opercularia varia</i>	Variable Stinkweed
LTG	<i>Xanthorrhoea minor</i> ssp. <i>lutea</i>	Small Grass-tree
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Poa australis</i> spp. agg.	Tussock Grass
MTG	<i>Diplarrena moraea</i>	Butterfly Flag
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
SC	<i>Billardiera scandens</i>	Common Apple-berry

EVC 16: Lowland Forest - Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypchoeris radicata</i>	Cat's Ear	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 18: Riparian Forest

Description:

A tall forest to 30 m tall along river banks and associated alluvial terraces with occasional occurrences in the heads of gullies leading into creeks and rivers. The soil is fertile alluvium, regularly inundated and permanently moist. Dominated by tall eucalypts but also has an open to sparse secondary tree layer of wattles and scattered dense patches of shrubs, ferns, grasses and herbs.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
40%	<i>Eucalyptus ovata</i>	Swamp Gum
	<i>Eucalyptus radiata</i> s.l.	Narrow-leaf Peppermint
	<i>Eucalyptus obliqua</i>	Messmate Stringybark
	<i>Eucalyptus viminalis</i>	Manna Gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	15%	T
Medium Shrub	8	20%	MS
Small Shrub	1	1%	SS
Large Herb	2	1%	LH
Medium Herb	6	10%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	3	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	3	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	10%	MNG
Ground Fern	3	15%	GF
Tree Fern	1	1%	TRF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

EVC 18: Riparian Forest - Wilsons Promontory bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Acacia verticillata</i>	Prickly Moses
MS	<i>Goodenia ovata</i>	Hop Goodenia
MS	<i>Ozothamnus ferrugineus</i>	Tree Everlasting
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
LH	<i>Senecio linearifolius</i>	Fireweed Groundsel
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Oxalis corniculata</i> s.l.	Yellow Wood-sorrel
SH	<i>Galium propinquum</i>	Maori Bedstraw
SH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
LTG	<i>Gahnia sieberiana</i>	Red-fruit Saw-sedge
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LTG	<i>Carex appressa</i>	Tall Sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Poa australis</i> spp. agg.	Tussock Grass
MNG	<i>Poa tenera</i>	Slender Tussock-grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Echinopogon ovatus</i>	Common Hedgehog-grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Adiantum aethiopicum</i>	Common Maidenhair
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
GF	<i>Blechnum minus</i>	Soft Water-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
SC	<i>Clematis aristata</i>	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Rubus fruticosus</i> spp. agg.	Blackberry	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Plantago lanceolata</i>	Ribwort	high	low
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Prunella vulgaris</i>	Self-heal	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	high	high
SC	<i>Galium aparine</i>	Cleavers	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 28: Rocky Outcrop Shrubland

Description:

Occurs in areas of low site quality on exposed rocky outcrops where rock is a dominant landform feature, soils are shallow or virtually absent and effective rainfall is low. Scattered, often stunted trees are occasionally present. A diverse shrub layer to 4 m tall characterises this EVC, including a number of rock-adapted species. The ground layer is usually sparse and species-poor except where it occurs in discrete patches and forms a mosaic with Rocky Outcrop Herbland.

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	7	25%	MS
Small Shrub	2	5%	SS
Prostrate Shrub	2	5%	PS
Large Herb	2	5%	LH
Medium Herb	2	1%	MH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		75%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Kunzea ambigua</i>	White Kunzea
MS	<i>Callistemon pallidus</i>	Lemon Bottlebrush
MS	<i>Acacia stricta</i>	Hop Wattle
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
SS	<i>Hibbertia aspera</i> s.l.	Rough Guinea-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Acrotriche prostrata</i>	Trailing Ground-berry
LH	<i>Helichrysum leucopsideum</i>	Satin Everlasting
LH	<i>Senecio pinnatifolius</i>	Variable Groundsel
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
LTG	<i>Deyeuxia quadriseta</i>	Reed Bent-grass
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Luzula meridionalis</i> var. <i>flaccida</i>	Common Wood-rush
MTG	<i>Diplarrena moraea</i>	White Iris
MTG	<i>Carex breviculmis</i>	Common Grass-sedge
MNG	<i>Deyeuxia rodwayi</i>	Tasman Bent-grass
GF	<i>Asplenium flabellifolium</i>	Necklace Fern

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

10 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

EVC 28: Rocky Outcrop Shrubland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 29: Damp Forest

Description:

Grows on a wide range of geologies on well-developed generally colluvial soils on a variety of aspects, from sea level to montane elevations. Dominated by a tall eucalypt tree layer to 30 m tall over a medium to tall dense shrub layer of broad-leaved species typical of wet forest mixed with elements from dry forest types. The ground layer includes herbs and grasses as well as a variety of moisture-dependent ferns.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	90 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
40%	<i>Eucalyptus obliqua</i>	Messmate Stringybark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	4	20%	T
Medium Shrub	6	25%	MS
Small Shrub	1	1%	SS
Medium Herb	3	1%	MH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	3	10%	GF
Tree Fern	1	5%	TRF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	20%	BL

EVC 29: Damp Forest - Wilsons Promontory bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
T	<i>Elaeocarpus reticulatus</i>	Blue Oliveberry
T	<i>Acacia melanoxylon</i>	Blackwood
MS	<i>Acacia verticillata</i>	Prickly Moses
MS	<i>Goodenia ovata</i>	Hop Goodenia
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Melaleuca squarrosa</i>	Scented Paperbark
SS	<i>Amperea xiphioclada</i> var. <i>xiphioclada</i>	Broom Spurge
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
MH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
LTG	<i>Gahnia sieberiana</i>	Red-fruit Saw-sedge
LTG	<i>Gahnia clarkei</i>	Tall Saw-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Diplarrena moraea</i>	White Iris
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Calochlaena dubia</i>	Common Ground-fern
GF	<i>Gleichenia microphylla</i>	Scrambling Coral-fern
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
TRF	<i>Todea barbara</i>	Austral King-fern
SC	<i>Clematis aristata</i>	Mountain Clematis
SC	<i>Billardiera scandens</i>	Common Apple-berry
SC	<i>Pandorea pandorana</i>	Wonga Vine

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 30: Wet Forest

Description:

Grows on fertile, well-drained loamy soils on a range of geologies and elevation levels. It is largely restricted to protected sites in gullies and on southern aspects of hills and mountains where rainfall is high and cloud cover at ground level is frequent. Characterised by a tall eucalypt overstorey to 30 m tall with scattered understorey trees over a tall broad-leaved shrubby understorey and a moist, shaded, fern-rich ground layer that is usually dominated by tree-ferns.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	90 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
40%	<i>Eucalyptus regnans</i>	Mountain Ash
	<i>Eucalyptus obliqua</i>	Messmate

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	4	25%	T
Medium Shrub	3	15%	MS
Medium Herb	3	5%	MH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	1	1%	MTG
Ground Fern	4	15%	GF
Tree Fern	2	5%	TRF
Epiphyte	2	1%	EP
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
T	<i>Olearia argophylla</i>	Musk Daisy-bush
T	<i>Acacia melanoxylon</i>	Blackwood
T	<i>Pittosporum bicolor</i>	Banyalla
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Tasmannia lanceolata</i>	Mountain Pepper
MS	<i>Hedycarya angustifolia</i>	Austral Mulberry
MS	<i>Olearia lirata</i>	Snowy Daisy-bush
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
MH	<i>Sambucus gaudichaudiana</i>	White Elderberry
MH	<i>Australina pusilla</i> ssp. <i>muelleri</i>	Shade Nettle
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
LTG	<i>Gahnia sieberiana</i>	Red-fruit Saw-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MNG	<i>Uncinia tenella</i>	Delicate Hook-sedge
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Blechnum wattsii</i>	Hard Water-fern
GF	<i>Grammitis billardiarei</i>	Common Finger-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
EP	<i>Microsorium pustulatum</i> ssp. <i>pustulatum</i>	Kangaroo Fern
EP	<i>Rumohra adiantiformis</i>	Leathery Shield-fern
SC	<i>Clematis aristata</i>	Mountain Clematis

EVC 30: Wet Forest - Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 31: Cool Temperate Rainforest

Description:

Closed non-eucalypt forest to 25 m tall. Occurs in high rainfall areas protected from fire within Wet Forest. The understorey characterised by tree ferns and a rich epiphytic flora. The ground layer is dominated by a diversity of ground ferns.

Large trees:

Species	DBH(cm)	#/ha
<i>Nothofagus/Atherosperma</i>	70 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
50%	<i>Nothofagus cunninghamii</i>	Myrtle Beech
	<i>Atherosperma moschatum</i>	Southern Sassafras
	<i>Acacia melanoxylon</i>	Blackwood

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	2	5%	MS
Large Herb	2	5%	LH
Medium Herb	2	5%	MH
Ground Fern	6	15%	GF
Tree Fern	3	40%	TRF
Epiphyte	5	5%	EP
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	40%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Olearia argophylla</i>	Musk Daisy-bush
MS	<i>Hedycarya angustifolia</i>	Austral Mulberry
LH	<i>Urtica incisa</i>	Scrub Nettle
MH	<i>Australina pusilla</i> ssp. <i>muelleri</i>	Shade Nettle
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Grammitis billardierei</i>	Common Finger-fern
GF	<i>Asplenium bulbiferum</i> ssp. <i>gracillimum</i>	Mother Spleenwort
GF	<i>Blechnum wattsii</i>	Hard Water-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
TRF	R v <i>Cyathea cunninghamii</i>	Slender Tree-fern
TRF	v <i>Cyathea X marcescens</i>	Skirted Tree-fern
EP	<i>Microsorium pustulatum</i> ssp. <i>pustulatum</i>	Kangaroo Fern
EP	<i>Fieldia australis</i>	Fieldia
EP	<i>Rumohra adiantiformis</i>	Leathery Shield-fern
EP	<i>Crepidomanes venosum</i>	Veined Bristle-fern
SC	<i>Clematis aristata</i>	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

20 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

EVC 31: Cool Temperate Rainforest - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 32: Warm Temperate Rainforest

Description:

Closed forest to 25 m tall occurring along small streams and narrow coastal fringes associated with lakes and estuaries. Dominated by a range of non-eucalypt canopy species above an understorey of smaller trees and shrubs and usually visually dominated by ferns and climbers.

Large trees:

Species	DBH(cm)	#/ha
Various spp.	70 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
50%	<i>Acacia melanoxylon</i>	Blackwood
	<i>Acmena smithii</i>	Lilly Pilly

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	10%	T
Medium Shrub	3	10%	MS
Medium Herb	3	5%	MH
Large Tufted Graminoid	2	10%	LTG
Ground Fern	5	20%	GF
Tree Fern	3	30%	TRF
Epiphyte	6	5%	EP
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Olearia argophylla</i>	Musk Daisy-bush
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Hedycarya angustifolia</i>	Austral Mulberry
LH	<i>Urtica incisa</i>	Scrub Nettle
MH	<i>Viola hederacea sensu Willis (1972)</i>	Ivy-leaf Violet
MH	<i>Sambucus gaudichaudiana</i>	White Elderberry
MH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
LTG	<i>Carex appressa</i>	Tall Sedge
LTG	<i>Gahnia clarkei</i>	Tall Saw-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MNG	<i>Uncinia tenella</i>	Delicate Hook-sedge
GF	<i>Blechnum watsii</i>	Hard Water-fern
GF	<i>Grammitis billardierei</i>	Common Finger-fern
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
TRF	<i>Todea barbara</i>	Austral King-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
TRF	R v <i>Cyathea cunninghamii</i>	Slender Tree-fern
EP	<i>Microsorium pustulatum ssp. pustulatum</i>	Kangaroo Fern
EP	<i>Rumohra adiantiformis</i>	Leathery Shield-fern
EP	<i>Fieldia australis</i>	Fieldia
EP	<i>Microsorium scandens</i>	Fragrant Fern
SC	<i>Clematis aristata</i>	Mountain Clematis
SC	<i>Pandorea pandorana</i>	Wonga Vine

EVC 32: Warm Temperate Rainforest - Wilson's Promontory bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

20 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 45: Shrubby Foothill Forest

Description:

Occurs on ridges and drier northerly and westerly slopes in association with Damp Forest (on sheltered slopes) on moderately fertile soils and at a range of elevations. The overstorey is a medium eucalypt forest to 25 m tall over an understorey characterised by a distinctive middle strata dominated by a diversity of narrow-leaved shrubs and a paucity of ferns, graminoids and herbs in the ground stratum.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
40%	<i>Eucalyptus obliqua</i> <i>Eucalyptus baxteri</i>	Messmate Stringybark Brown Stringybark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	25%	T
Medium Shrub	7	35%	MS
Small Shrub	2	10%	SS
Medium Herb	2	1%	MH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	1	5%	MTG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Zieria arborescens</i>	Stinkwood
T	<i>Elaeocarpus reticulatus</i>	Blue Oliveberry
MS	<i>Banksia marginata</i>	Silver Banksia
MS	<i>Acacia verticillata</i>	Prickly Moses
MS	<i>Acacia mucronata</i> ssp. <i>longifolia</i>	Narrow-leaf Wattle
MS	<i>Banksia spinulosa</i> var. <i>cunninghamii</i>	Hairpin Banksia
SS	<i>Hibbertia aspera</i> s.l.	Rough Guinea-flower
SS	<i>Bauera rubioides</i>	Wiry Bauera
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
GF	<i>Pteridium esculentum</i>	Austral Bracken

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

EVC 45: Shrubby Foothill Forest - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 48: Heathy Woodland

Description:

Spans a variety of geologies but is generally associated with nutrient-poor soils including deep uniform sands (aeolian or outwash) and is most extensively developed on recent Quaternary deposits. Eucalypt-dominated low woodland to 10 m tall generally lacking a secondary tree layer and generally supporting a diverse array of narrow or ericoid-leaved shrubs except where frequent fire has reduced this to a dense cover of bracken. Geophytes and annuals can be quite common but the ground cover is normally fairly sparse.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	50 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
10%	<i>Eucalyptus obliqua</i>	Messmate Stringybark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	6	40%	MS
Small Shrub	5	10%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	2	1%	MH
Large Tufted Graminoid	2	15%	LTG
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

LF Code	Character Species	Common Name
T	<i>Banksia serrata</i>	Saw Banksia
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Leptospermum myrsinoides</i>	Heath Tea-tree
MS	<i>Epacris impressa</i>	Common Heath
SS	<i>Platylobium obtusangulum</i>	Common Flat-pea
SS	<i>Isopogon ceratophyllus</i>	Horny Cone-bush
SS	<i>Leucopogon virgatus</i>	Common Beard-heath
SS	<i>Hibbertia acicularis</i>	Prickly Guinea-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
MH	<i>Burchardia umbellata</i>	Milkmaids
LTG	<i>Xanthorrhoea australis</i>	Austral Grass-tree
LTG	<i>Xanthorrhoea minor</i> ssp. <i>lutea</i>	Small Grass-tree
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MNG	<i>Hypolaena fastigiata</i>	Tassel Rope-rush
GF	<i>Pteridium esculentum</i>	Austral Bracken
EP	<i>Cassytha glabella</i>	Slender Dodder-laurel

EVC 48: Heathy Woodland - Wilsons Promontory bioregion

Recruitment:

Episodic/Fire. Desirable period between disturbances is 20 years.

Organic Litter:

40 % cover

Logs:

15 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 53: Swamp Scrub

Description:

Closed scrub to 8 m tall at low elevations on alluvial deposits along streams or on poorly drained sites with higher nutrient availability. The EVC is dominated by Swamp Paperbark *Melaleuca ericifolia* (or sometimes Woolly Tea-tree *Leptospermum lanigerum*) which often forms a dense thicket, out-competing other species. Occasional emergent eucalypts may be present. Where light penetrates to ground level, a moss/lichen/liverwort or herbaceous ground cover is often present. Dry variants have a grassy/herbaceous ground layer.

Canopy Cover:

%cover	Character Species	Common Name
50%	<i>Leptospermum lanigerum</i> <i>Melaleuca ericifolia</i>	Woolly Tea-tree Swamp Paperbark

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	10%	MS
Small Shrub	2	1%	SS
Large Herb	2	5%	LH
Medium Herb	3	15%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	3	10%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	15%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
LH	<i>Lycopus australis</i>	Australian Gipsywort
LH	<i>Lythrum salicaria</i>	Purple Loosestrife
LH	<i>Persicaria praetermissa</i>	Spotted Knotweed
MH	<i>Hydrocotyle pterocarpa</i>	Wing Pennywort
MH	<i>Stellaria angustifolia</i>	Swamp Starwort
MH	<i>Lobelia anceps</i>	Angled Lobelia
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
SH	<i>Crassula helmsii</i>	Swamp Crassula
SH	<i>Dichondra repens</i>	Kidney-weed
LTG	<i>Juncus procerus</i>	Tall Rush
LTG	<i>Poa labillardierei</i>	Common Tussock-grass
LNG	<i>Gahnia radula</i>	Thatch Saw-sedge
LNG	<i>Phragmites australis</i>	Common Reed
LNG	<i>Baumea rubiginosa</i> s.l.	Soft Twig-rush
MTG	<i>Triglochin procerum</i> s.l.	Water Ribbons
MTG	<i>Juncus gregiflorus</i>	Green Rush
MNG	<i>Eleocharis acuta</i>	Common Spike-sedge
GF	<i>Blechnum cartilagineum</i>	Gristle Fern
SC	<i>Calystegia sepium</i>	Large Bindweed

EVC 53: Swamp Scrub – Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 72: Granitic Hills Woodland

Description:

Mainly restricted to exposed north-east to north-west facing granite rocky outcrops and structurally consists of a low woodland to 10 m high with the dominant trees often being stunted.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	60 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus obliqua</i>	Messmate Stringybark
	<i>Eucalyptus baxteri</i> s.l.	Brown Stringybark
	r <i>Eucalyptus willisii</i> ssp. <i>willisii</i>	Promontory Peppermint

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	10%	T
Medium Shrub	10	30%	MS
Small Shrub	6	10%	SS
Prostrate Shrub	2	5%	PS
Medium Herb	3	5%	MH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	4	20%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Allocasuarina verticillata</i>	Drooping Sheoak
MS	<i>Epacris impressa</i>	Common Heath
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Correa reflexa</i>	Common Correa
MS	<i>Banksia marginata</i>	Silver Banksia
SS	<i>Amperea xiphoclada</i> var. <i>xiphoclada</i>	Broom Spurge
SS	<i>Tetratheca pilosa</i>	Hairy Pink-bells
SS	<i>Isopogon ceratophyllus</i>	Horny Cone-bush
SS	<i>Xanthosia tridentata</i>	Hill Xanthosia
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Astroloma humifusum</i>	Cranberry Heath
PS	<i>Xanthosia pusilla</i> spp. agg.	Heath Xanthosia
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
LTG	<i>Xanthorrhoea australis</i>	Austral Grass-tree
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Diplarrena moraea</i>	White Iris
MTG	<i>Patersonia glabrata</i>	Leafy Purple-flag
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Lindsaea linearis</i>	Screw Fern
EP	<i>Cassytha glabella</i>	Slender Dodder-laurel
SC	<i>Billardiera scandens</i>	Common Apple-berry

EVC 72: Granitic Hills Woodland - Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 136: Sedge Wetland

Description:

Occupies seasonal wetlands and consists of generally treeless vegetation dominated by sedges. May contain a fringe of shrubs and isolated shrubs may also be present throughout. Usually of low diversity in central areas, but richer on verges and in some more ephemeral forms of the EVC. Frequently on soils of high organic content, in depressions within sandy terrain.

Life form:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	5%	MS
Large Herb	1	5%	LH
Medium Herb	4	10%	MH
Large Tufted Graminoid	1	15%	LTG
Large Non-tufted Graminoid	2	30%	LNG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		85%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Allocasuarina misera/paradoxa</i>	Slender/Green Sheoak
LH	<i>Villarsia reniformis</i>	Running Marsh-flower
MH	<i>Utricularia australis</i>	Yellow Bladderwort
MH	<i>Goodenia humilis</i>	Swamp Goodenia
MH	<i>Centella cordifolia</i>	Centella
LTG	<i>Baumea articulata</i>	Jointed Twig-sedge
LNG	<i>Lepidosperma longitudinale</i>	Pithy Sword-sedge
LNG	<i>Baumea rubiginosa</i> s.l.	Soft Twig-rush
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MNG	<i>Lepyrodia muelleri</i>	Common Scale-rush
MNG	<i>Isolepis fluitans</i>	Floating Club-sedge

Recruitment:

Episodic/Flood. Desirable period between disturbances is 5 years.

Organic Litter:

10 % cover

Weediness:

There are no consistent weeds in this EVC.

EVC 136: Sedge Wetland – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 140: Mangrove Shrubland

Description:

Shrubland to 2 m tall. Confined to protected low energy coastal environments where there is sufficient shelter from strong wave action and currents to allow the accumulation of fine sediments, generally on mud flats within the tidal zone.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	40%	MS
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Total understorey projective foliage cover		25%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Avicennia marina ssp. australasica</i>	White Mangrove
MNG	<i>Zostera muelleri</i>	Dwarf Grass-wrack

Recruitment:

Continuous

Weediness:

There are no consistent weeds in this EVC.

EVC 140: Mangrove Shrubland – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 154: Bird Colony Shrubland

Description:

A shrubland dominated by Australian Hollyhock *Malva australiana* s.l. and confined to topographically protected granitic slopes on the islands to the south and west of Wilson's Promontory and the Seal Island group. The loamy sands are subject to intense seasonal trampling and tunnelling by large colonies of sea bird breeding colonies.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	6	20%	SS
Large Herb	3	15%	MH

Total understorey projective foliage cover 35%

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Allocasuarina verticillata</i>	Drooping She-oak
MS	<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Seaberry Saltbush
MS	<i>Ozothamnus argophyllus</i>	Spicy Everlasting
LH	<i>Malva australiana</i> s.l.	Australian Hollyhock
LH	<i>Sambucus gaudichaudiana</i>	White Elderberry

Recruitment:

Continuous

Organic Litter:

10% cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Polycarpon tetraphyllum</i>	Four-leaved Allseed	high	low

EVC 154: Bird Colony Shrubland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 161: Coastal Headland Scrub

Description:

Scrub or low shrubland to 2 m tall on steep, rocky coastal headlands often associated with cliffs exposed to the stresses of extreme salt-laden winds and salt spray from the south west.

Life forms:

Life form	#Spp	%Cover	LF code
Understorey Tree or Large Shrub	2	25%	T
Medium Shrub	7	50%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	2	5%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	1%	MNG
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		80%	

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Allocasuarina verticillata</i>	Drooping She-oak
T	<i>Acacia retinodes</i>	Wirilda
MS	<i>Leptospermum laevigatum</i>	Coast Tea-tree
MS	<i>Kunzea ambigua</i>	White Kunzea
MS	<i>Acacia verticillata</i>	Prickly Moses
MS	<i>Exocarpos syrticola</i>	Coast Ballart
LH	<i>Pelargonium australe</i>	Austral Stork's-bill
SH	<i>Carpobrotus rossii</i>	Karkalla
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Stylidium graminifolium</i>	Grass Trigger-plant
MTG	<i>Lepidosperma concavum</i>	Sandhill Sword-sedge
MTG	<i>Austrostipa stipoides</i>	Prickly Spear-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
SC	<i>Tetragonia implexicoma</i>	Bower Spinach

Recruitment:

Continuous

Organic Litter:

40% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 161: Coastal Headland Scrub – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 163: Coastal Tussock Grassland

Description:

A tussock grassland that may contain emergent shrubs. Occurs on exposed coastal cliffs and bluffs. Soils are saline and the strong salt-laden winds preclude tree growth.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	3	20%	MS
Small Shrub	1	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	10%	LTG
Medium to Small Tufted Graminoid	4	25%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Leucopogon parviflorus</i>	Coast Beard-heath
MS	<i>Correa alba</i>	White Correa
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Samolus repens</i>	Creeping Brookweed
MH	<i>Asperula conferta</i>	Common Woodruff
MH	<i>Daucus glochidiatus</i>	Austral Carrot
SH	<i>Selliera radicans</i>	Shiny Swamp-mat
LTG	<i>Gahnia trifida</i>	Coast Saw-sedge
LTG	<i>Austrostipa stipoides</i>	Prickly Spear-grass
LTG	<i>Dichelachne crinita</i>	Long-hair Plume-grass
MTG	<i>Poa poiiformis</i>	Coast Tussock-grass
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Lepidosperma gladiatum</i>	Coast Sword-sedge
MNG	<i>Baumea juncea</i>	Bare Twig-sedge

Recruitment:

Continuous

Organic Litter:

20 % cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Plantago coronopus</i>	Buck's-horn Plantain	high	low
MH	<i>Leontodon taraxacoides</i> ssp. <i>taraxacoides</i>	Hairy Hawkbit	high	low

EVC 163: Coastal Tussock Grassland – Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 191: Riparian Scrub

Description:

A dense shrubland to 5 m tall growing on waterlogged substrates often with a peaty surface horizon. Emergent eucalypts may be occasionally present. The understorey is often species-poor and consists typically of sedges tolerant of seasonal waterlogging. Occurs along creeks and minor stream tributaries of the lowland plains.

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	6	50%	MS
Small Shrub	1	1%	SS
Medium Herb	3	10%	MH
Large Tufted Graminoid	3	30%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Ground Fern	2	10%	GF
Scrambler or Climber	1	10%	SC
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Melaleuca squarrosa</i>	Scented Paperbark
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Goodenia ovata</i>	Hop Goodenia
MS	<i>Acacia verticillata</i>	Prickly Moses
SS	<i>Platylobium obtusangulum</i>	Common Flat-pea
SS	<i>Dillwynia glaberrima</i>	Smooth Parrot-pea
PS	<i>Xanthosia pusilla</i> spp. agg.	Heath Xanthosia
LH	<i>Stackhousia viminea</i>	Slender Stackhousia
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Lobelia anceps</i>	Angled Lobelia
MH	<i>Laxmannia orientalis</i>	Dwarf Wire-lily
MH	<i>Gratiola peruviana</i>	Austral Brooklime
LTG	<i>Gahnia clarkei</i>	Tall Saw-sedge
LTG	<i>Baloskion tetraphyllum</i> ssp. <i>tetraphyllum</i>	Tassel Cord-rush
LTG	<i>Gahnia sieberiana</i>	Red-fruit Saw-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Patersonia fragilis</i>	Short Purple-flag
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MNG	<i>Hypolaena fastigiata</i>	Tassel Rope-rush
MNG	<i>Triglochin striatum</i>	Streaked Arrowgrass
MNG	<i>Schoenus brevifolius</i>	Zig-zag Bog-sedge
MNG	<i>Eleocharis gracilis</i>	Slender Spike-sedge
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Schizaea fistulosa</i>	Narrow Comb-fern
GF	<i>Lindsaea linearis</i>	Screw Fern
TRF	<i>Todea barbara</i>	Austral King-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
SC	<i>Gleichenia microphylla</i>	Scrambling Coral-fern
SC	<i>Cassytha glabella</i>	Slender Dodder-laurel

EVC 191: Riparian Scrub - Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

5 m/0.1 ha (note: large log class does not apply).

Weediness:

There are no consistent weeds in this EVC.

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 192: Montane Rocky Shrubland

Description:

Treeless or sparsely treed shrubland of the windswept rocky summits of the highest granitic peaks of Wilson's Promontory. When present, trees are often stunted and low-growing and may form part of the dominant shrub layer.

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	6	30%	MS
Medium Herb	1	1%	MH
Large Tufted Graminoid	2	15%	LTG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	3	10%	GF
Tree Fern	1	5%	TRF
Epiphyte	2	5%	EP
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Tasmannia lanceolata</i>	Mountain Pepper
MS	<i>Monotoca elliptica</i> s.l.	Tree Broom-heath
MS	<i>Epacris impressa</i>	Common Heath
MS	k <i>Olearia stellulata</i>	Starry Daisy-bush
MH	v <i>Huperzia varia</i>	Long Clubmoss
LTG	v <i>Gahnia grandis</i>	Brickmakers' Sedge
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Libertia pulchella</i>	Pretty Grass-flag
MNG	<i>Uncinia tenella</i>	Delicate Hook-sedge
GF	<i>Blechnum wattsii</i>	Hard Water-fern
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Grammitis billardierei</i>	Common Finger-fern
GF	<i>Asplenium bulbiferum</i> ssp. <i>gracillimum</i>	Mother Spleenwort
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
EP	<i>Microsorium pustulatum</i> ssp. <i>pustulatum</i>	Kangaroo Fern
EP	<i>Hymenophyllum australe</i>	Austral Filmy Fern

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

40 % cover

Weediness:

There are no consistent weeds in this EVC.

EVC 192: Montane Rocky Shrubland - Wilsons Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 310: Wet Rocky Outcrop Scrub

Description:

A treeless scrub with occasional emergent eucalypts that occurs below Montane Rocky Shrubland on rocky crests and associated slopes developed on Devonian granite.

Lifeforms:

Life form	#Spp	%Cover	LF code
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	6	30%	MS
Small Shrub	2	10%	SS
Medium Herb	4	10%	MH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	1	1%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Ground Fern	3	10%	GF
Epiphyte	2	5%	EP
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	r <i>Banksia saxicola</i>	Rock Banksia
MS	k <i>Olearia stellulata</i>	Starry Daisy-bush
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Epacris impressa</i>	Common Heath
MS	r <i>Monotoca glauca</i>	Currant-wood
SS	r <i>Hibbertia hirticalyx</i>	Bass Guinea-flower
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	v <i>Huperzia varia</i>	Long Clubmoss
MH	<i>Gonocarpus humilis</i>	Shade Raspwort
SH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Carex breviculmis</i>	Common Grass-sedge
MTG	<i>Lachnagrostis aemula</i> s.l.	Leafy Blown-grass
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MNG	<i>Deyeuxia rodwayi</i>	Tasman Bent-grass
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Grammitis billardierei</i>	Common Finger-fern
GF	<i>Asplenium flabellifolium</i>	Necklace Fern
EP	<i>Microsorium pustulatum</i> ssp. <i>pustulatum</i>	Kangaroo Fern

Recruitment:

Episodic/Fire. Desirable period between disturbances is 30 years.

Organic Litter:

40 % cover

Weediness:

There are no consistent weeds in this EVC.

EVC 310: Wet Rocky Outcrop Scrub - Wilson's Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment Wilson's Promontory bioregion

EVC 858: Coastal Alkaline Scrub (syn. Calcarenite Dune Woodland)

Description:

Near-coastal, deep calcareous (alkaline) sand dunes and swales, and commonly on the landward side of primary dunes. It occurs at low elevations of 20-60 m above sea level, average annual rainfall is approximately 550-950 mm, and it occurs on a variety of geologies and soil types. Low woodland or tall shrubland to 10 m tall, typically with a medium shrub layer, small shrub layer and sedges, grasses and herbs in the ground layer.

Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Allocasuarina verticillata</i>	Drooping Sheoak
	<i>Leptospermum laevigatum</i>	Coast Tea-tree
	<i>Bursaria spinosa</i> ssp. <i>macrophylla</i>	Sweet Bursaria

Life forms:

Life form	#Spp	%Cover	LF code
Immature Tree		5%	IT
Medium Shrub	4	30%	MS
Small Shrub	2	5%	SS
Large Herb	1	1%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	20%	BL
Total understorey projective foliage cover		80%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia longifolia</i> ssp. <i>sophorae</i>	Coast Wattle
MS	<i>Leucopogon parviflorus</i>	Coast Beard-heath
MS	<i>Acacia retinodes</i> var. <i>uncifolia</i>	Coast Wirilda
MS	<i>Pomaderris oraria</i> ssp. <i>oraria</i>	Bassian Pomaderris
SS	<i>Hibbertia sericea</i> s.l.	Silky Guinea-flower
SS	<i>Pimelea serpyllifolia</i> ssp. <i>serpyllifolia</i>	Thyme-leaf Rice-flower
SS	<i>Adriana quardipartita</i> (pubescent form)	Coast Bitter-bush
LH	<i>Pelargonium australe</i>	Austral Stork's-bill
MH	<i>Lagenophora stipitata</i>	Common Bottle-daisy
MH	<i>Geranium potentilloides</i>	Cinquefoil Cranesbill
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Parietaria debilis</i> s.l.	Shade Pellitory
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Oxalis exilis</i>	Shady Wood-sorrel
SH	<i>Crassula sieberiana</i>	Sieber Crassula
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Carex breviculmis</i>	Common Grass-sedge
MTG	<i>Lachnagrostis billardierei</i> s.l.	Coast Blown-grass
MTG	<i>Austroanthonia setacea</i>	Bristly Wallaby-grass
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
SC	<i>Clematis microphylla</i>	Small-leaved Clematis
SC	<i>Comesperma volubile</i>	Love Creeper

EVC 858: Coastal Alkaline Scrub (syn. Calcarenite Dune Woodland) – Wilsons Promontory bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

5 m/0.1 ha. (note: large log class does not apply)

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Centaureum erythraea</i>	Common Centaury	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Hypochoeris</i> spp.	Cat's Ear	high	low
MTG	<i>Ehrharta erecta</i>	Panic Veldt-grass	high	high
MTG	<i>Catapodium rigidum</i>	Fern Grass	high	low
MNG	<i>Aira caryophyllea</i>	Silvery Hair-grass	high	low
SC	<i>Myrsiphyllum asparagoides</i>	Smilax Asparagus	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 875: Blocked Coastal Stream Swamp

Description:

Margins of coastal streams that are consistently flooded for long periods where the entrances become plugged by sand during low flow periods. The blockage is breached during floods, briefly exposing the wetlands before the mouth silts up and the dammed river overflows, flooding the habitat of this EVC. Soils are peats derived from Quaternary swamp and lagoonal deposits. Elevation is near sea level and average annual rainfall is 900 mm.

Life Forms:

Life form	#Spp	%Cover	LF code
Large Herb	2	10%	LH
Medium Herb	1	5%	MH
Small or Prostrate Herb	1	1%	SH
Large Non-tufted Graminoid	2	55%	LNG
Medium to Small Tufted Graminoid	3	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Total understorey projective foliage cover		80%	

LF Code	Species typical of at least part of EVC range	Common Name
LH	<i>Euphrasia collina</i>	Purple Eyebright
LH	<i>Epilobium billardierianum</i>	Variable Willow-herb
MH	<i>Utricularia dichotoma</i> s.l.	Fairies' Aprons
MH	<i>Drosera binata</i>	Forked Sundew
MH	<i>Cardamine gunnii</i> s.l.	Common Bitter-cress
SH	<i>Hydrocotyle sibthorpioides</i>	Shining Pennywort
LNG	r <i>Cladium procerum</i>	Leafy Twig-sedge
LNG	<i>Typha domingensis</i>	Narrow-leaf Cumbungi
MTG	<i>Lepidosperma filiforme</i>	Common Rapier-sedge
MTG	r <i>Lachnagrostis rudis</i>	Ruddy Blown-grass
MTG	<i>Isolepis platycarpa</i>	Broad-fruit Club-sedge
MTG	<i>Juncus caespiticus</i>	Grassy Rush
MNG	<i>Triglochin striatum</i>	Streaked Arrowgrass
MNG	<i>Schoenus nitens</i>	Shiny Bog-sedge
MNG	<i>Baumea juncea</i>	Bare Twig-sedge

Recruitment:

Episodic/Flood. Desirable period between disturbances is 5 years.

Organic Litter:

10% cover

Weediness:

There are no consistent weeds in this EVC.

EVC 875: Blocked Coastal Stream Swamp - Wilson's Promontory bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 876: Spray-zone Coastal Shrubland

Description:

A wind-pruned salt-affected open shrubland usually less than 1 m tall (with occasional emergent taller shrubs) that occurs on the most exposed coastal areas subject to salt-spray and run-off at the crest of sea cliffs. This EVC usually occurs in association with taller Coastal Headland Scrub (EVC 161).

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	5%	MS
Small Shrub	4	30%	SS
Medium Herb	2	5%	MH
Small or Prostrate Herb	4	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Scrambler or Climber	1	5%	SC
Soil Crust	na	20%	S/C
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Olearia axillaris</i>	Coast Daisy-Bush
MS	<i>Alyxia buxifolia</i>	Sea Box
SS	<i>Leucophyta brownii</i>	Cushion Bush
SS	<i>Ozothamnus turbinatus</i>	Coast Everlasting
SS	<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Seaberry Saltbush
SS	<i>Correa alba</i>	White Correa
MH	<i>Sarcocornia quinqueflora</i>	Beaded Glasswort
MH	<i>Samolus repens</i>	Creeping Brookweed
MH	<i>Senecio piannatifolius</i>	Toothed Groundsel
MH	<i>Actites megalocarpa</i>	Coast Sow-thistle
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Disphyma crassifolium</i> ssp. <i>clavellatum</i>	Rounded Noon-flower
SH	<i>Carpobrotus rossii</i>	Karkalla
SH	<i>Calandrinia calypttrata</i>	Pink Purslane
LTG	<i>Austrostipa stipoides</i>	Prickly Spear-grass
LTG	<i>Dichelachne crinita</i>	Long-hair Plume-grass
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge
MTG	<i>Lachnagrostis billardierei</i> s.l.	Coast Blown-grass
MTG	<i>Poa poiformis</i>	Coast Tussock-grass
MTG	<i>Lepidosperma gladiatum</i>	Coast Sword-sedge
MTG	<i>Dianella brevicaulis</i>	Small-flower Flax-lily
SC	<i>Tetragonia implexicoma</i>	Bower Spinach

Recruitment:

Continuous

Organic Litter:

10 % cover

EVC 876: Spray-zone Coastal Shrubland – Wilson's Promontory bioregion

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LNG	<i>Pennisetum clandestinum</i>	Kikuyu	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Oxalis pes-caprae</i>	Soursob	high	high
MS	<i>Chrysanthemoides monilifera</i>	Boneseed	high	high
MS	<i>Polygala myrtifolia</i> var. <i>myrtifolia</i>	Myrtle-leaf Milkwort	high	high
MS	<i>Coprosma repens</i>	Mirror Bush	high	high
MS	<i>Lycium ferocissimum</i>	African Box-thorn	high	high
MTG	<i>Ehrharta erecta</i> var. <i>erecta</i>	Panic Veldt-grass	high	high
SC	<i>Delairea odorata</i>	Cape Ivy	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Wilson's Promontory bioregion

EVC 914: Estuarine Flats Grassland

Description:

Closed to open grassland to 1.5 m tall with occasional shrubs occurring on estuarine flats often associated with current or old beach berms or sand sheets that are occasionally inundated by high tides. Occupies areas on marginally higher ground inland from Coastal Saltmarsh.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	5%	MS
Small Shrub	1	5%	SS
Large Herb	1	1%	LH
Medium Herb	3	15%	MH
Small Herb	4	15%	SH
Large Tufted Graminoid	2	15%	LTG
Medium to Small Tufted Graminoid	2	20%	MTG
Medium to Tiny Non-tufted Graminoid	3	15%	MNG
Total understorey projective foliage cover		85%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Atriplex cinerea</i>	Coast Saltbush
MS	<i>Rhagodia candolleana</i> ssp. <i>candolleana</i>	Seaberry Saltbush
SS	<i>Frankenia pauciflora</i> var. <i>gunnii</i>	Southern Sea-heath
LH	<i>Senecio pinnatifolius</i>	Variable Groundsel
MH	<i>Sarcocornia quinqueflora</i> ssp. <i>quinqueflora</i>	Beaded Glasswort
MH	<i>Suaeda australis</i>	Austral Seablite
MH	<i>Samolus repens</i>	Creeping Brookweed
SH	<i>Disphyma crassifolium</i> ssp. <i>clavellatum</i>	Rounded Noon-flower
SH	<i>Selliera radicans</i>	Shiny Swamp-mat
SH	<i>Hemichroa pentandra</i>	Trailing Hemichroa
LTG	<i>Austrostipa stipoides</i>	Prickly Spear-grass
LTG	<i>Gahnia filum</i>	Chaffy Saw-sedge
MTG	<i>Poa poiformis</i>	Coast Tussock-grass
MTG	<i>Lachnagrostis billardierei</i> ssp. <i>billardierei</i>	Coast Blown-grass
MNG	<i>Spinifex sericeus</i>	Hairy Spinifex
MNG	<i>Distichlis distichophylla</i>	Australian Salt-grass
MNG	<i>Ficinia nodosa</i>	Knobby Club-sedge

Recruitment:

Continuous

Organic Litter:

10% Cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Chrysanthemoides monilifera</i> ssp. <i>monilifera</i>	Boneseed	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Conyza albida</i>	Tall Fleabane	high	low
MH	<i>Polycarpon tetraphyllum</i>	Four-leaved Allseed	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low
MNG	<i>Lagurus ovatus</i>	Hare's-tail Grass	high	low

EVC 914: Estuarine Flats Grassland – Wilson's Promontory bioregion

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