

EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 7: Clay Heathland

Description:

Occurs on sites with impeded drainage, often on duplex soils. Dominated by heathy shrub species with occasional emergent eucalypts. The ground layer is dense and diverse with a variety of landforms.

+ woodland only components (ignore when assessing treeless areas and standardise final score as appropriate)

Large trees⁺:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	40 cm	10 / ha

Tree Canopy Cover⁺:

%cover	Character Species	Common Name
10%	<i>Eucalyptus dives</i>	Broad-leaved Peppermint
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus mannifera</i>	Brittle Gum

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	9	30%	MS
Small Shrub	6	10%	SS
Prostrate Shrub	3	5%	PS
Medium Herb	8	10%	MH
Large Tufted Graminoid	4	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	7	10%	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>Epacris impressa</i>	Common Heath
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Banksia marginata</i>	Silver Banksia
MS	<i>Cassinia longifolia</i>	Shiny Cassinia
SS	<i>Kunzea parvifolia</i>	Violet Kunzea
SS	<i>Pimelea humilis</i>	Common Rice-flower
SS	<i>Gompholobium huegelii</i>	Common Wedge-pea
SS	<i>Dillwynia phyllicoides</i>	Small-leaf Parrot-pea
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Bossiaea prostrata</i>	Creeping Bossiaea
PS	<i>Pultenaea procumbens</i>	Heathy Bush-pea
PS	<i>Boronia nana</i>	Dwarf Boronia
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Hypericum gramineum</i>	Small St John's Wort
MH	<i>Viola betonicifolia</i> ssp. <i>betonicifolia</i>	Showy Violet
LTG	<i>Deyeuxia quadriseta</i>	Reed Bent-grass
LTG	<i>Xanthorrhoea minor</i> ssp. <i>lutea</i>	Small Grass-tree
LNG	<i>Gahnia radula</i>	Thatch Saw-sedge
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Echinopogon ovatus</i>	Common Hedgehog-grass

EVC 7: Clay Heathland - Northern Inland Slopes bioregion

Recruitment:

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

Organic Litter:

20% Cover

Weediness:

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

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes Bioregion

EVC 7_61: Treed Clay Heathland

Description:

Occurs on sites with impeded drainage, often on duplex soils. Dominated by heathy shrub species with occasional emergent eucalypts. The ground layer is dense and diverse with a variety of landforms.

Large Trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus spp.</i>	40 cm	10 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
10%	<i>Eucalyptus dives</i>	Broad-leaved Peppermint
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus mannifera</i> subsp. <i>mannifera</i>	Brittle Gum

Understorey:

Lifeform	#Spp	%Cover	LF Code
Medium Shrub	9	30%	MS
Small Shrub	6	10%	SS
Prostrate Shrub	3	5%	PS
Medium Herb	8	10%	MH
Large Tufted Graminoid	4	10%	LTG
Large Non-Tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	7	10%	MTG
Medium to Tiny Non-Tufted Graminoid	2	5%	MNG
Bryophytes/Lichens		10%	BL
Soil Crust		10%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Banksia marginata</i>	Silver Banksia
MS	<i>Cassinia longifolia</i>	Shiny Cassinia
MS	<i>Epacris impressa</i>	Common Heath
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
SS	<i>Dillwynia phyllicoides</i>	Small-leaf Parrot-pea
SS	<i>Gompholobium huegelii</i>	Common Wedge-pea
SS	<i>Kunzea parvifolia</i>	Violet Kunzea
SS	<i>Pimelea humilis</i>	Common Rice-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Boronia nana</i>	Dwarf Boronia
PS	<i>Bossiaea prostrata</i>	Creeping Bossiaea
PS	<i>Pultenaea procumbens</i>	Heathy Bush-pea
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Hypericum gramineum</i>	Small St John's Wort
MH	<i>Viola betonicifolia</i>	Showy Violet

EVC 7_61: Treed Clay Heathland

LF Code	Species typical of at least part of EVC range	Common Name
LTG	<i>Deyeuxia quadriseta</i>	Reed Bent-grass
LTG	<i>Xanthorrhoea minor subsp. lutea</i>	Small Grass-tree
LNG	<i>Gahnia radula</i>	Thatch Saw-sedge
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MNG	<i>Echinopogon ovatus</i>	Common Hedgehog-grass
MNG	<i>Microlaena stipoides var. stipoides</i>	Weeping Grass

Recruitment:

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

Organic Litter:

20 % cover

Logs:

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

Weediness:

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

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes 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. Soils are 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 radiata</i> ssp. <i>radiata</i>	Narrow-leaf Peppermint
	<i>Eucalyptus viminalis</i>	Manna Gum
	<i>Eucalyptus globulus</i> ssp. <i>bicostata</i>	Eurabbie

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	15%	T
Medium Shrub	5	20%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	4	15%	LTG
Large Non-tufted Graminoid	2	5%	LNG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	4	15%	GF
Tree Fern	1	5%	TRF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

EVC 18: Riparian Forest - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
T	<i>Acacia melanoxylon</i>	Blackwood
MS	<i>Prostanthera lasianthos</i>	Victorian Christmas-bush
MS	<i>Olearia lirata</i>	Snowy Daisy-bush
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Cassinia aculeata</i>	Common Cassinia
PS	<i>Acrotriche prostrata</i>	Trailing Ground-berry
LH	<i>Senecio minimus</i>	Shrubby Fireweed
LH	<i>Senecio linearifolius</i>	Fireweed Groundsel
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Geranium potentilloides</i>	Cinquefoil Cranesbill
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Lobelia pedunculata</i> s.l.	Matted Pratia
SH	<i>Leptinella filicula</i>	Mountain Cotula
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LTG	<i>Carex appressa</i>	Tall Sedge
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
LTG	<i>Poa labillardierei</i>	Common Tussock-grass
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Isolepis inundata</i>	Swamp Club-sedge
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Poa tenera</i>	Slender Tussock-grass
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Adiantum aethiopicum</i>	Common Maidenhair
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 asper</i> s.l.	Rough Sow-thistle	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	high
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

Northern Inland Slopes bioregion

EVC 19: Riparian Shrubland

Description:

Medium to tall shrubland to 8 m tall occurring on rocky substrates of major streams and banks and channels of rocky creeks and along perennial streams in gorge tracts. Able to withstand frequent flooding or regenerate rapidly after such disturbance and often forming dense thickets along the stream's edge during long periods without flooding. Emergent trees may be irregularly scattered throughout but tend to be restricted to the banks of the rivers and creeks. Sedges and rushes common to riparian environments dominate the understorey as well as an array of herbs and grasses including many ephemeral species which survive on the bare sands or in rock crevice.

Canopy Cover:

%cover	Character Species	Common Name
20%	<i>Acacia dealbata</i>	Silver Wattle

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	4	5%	MS
Small Shrub	1	1%	SS
Large Herb	5	5%	LH
Medium Herb	8	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	5%	LTG
Large Non-tufted Graminoid	2	1%	LNG
Medium to Small Tufted Graminoid	8	10%	MTG
Medium to Tiny Non-tufted Graminoid	4	5%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	20%	BL
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Bossiaea foliosa</i>	Leafy Bossiaea
MS	<i>Callistemon sieberi</i>	River Bottlebrush
MS	<i>Acacia verniciflua</i>	Varnish Wattle
SS	<i>Rubus parvifolius</i>	Small-leaf Bramble
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
LH	<i>Persicaria hydropiper</i>	Water Pepper
LH	<i>Persicaria decipiens</i>	Slender Knotweed
MH	<i>Alternanthera denticulata s.l.</i>	Lesser Joyweed
MH	<i>Centipeda cunninghamii</i>	Common Sneezeweed
MH	<i>Euchiton involucreatus s.l.</i>	Common Cudweed
SH	<i>Hypericum japonicum</i>	Matted St John's Wort
SH	<i>Crassula helmsii</i>	Swamp Crassula
LTG	<i>Juncus usitatus</i>	Billabong Rush
LTG	<i>Carex polyantha</i>	River Sedge
LTG	<i>Carex appressa</i>	Tall Sedge
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Carex gaudichaudiana</i>	Fen Sedge
MTG	<i>Juncus pauciflorus</i>	Loose-flower Rush
MTG	v <i>Lipocarpus microcephala</i>	Button Rush
MTG	<i>Poa labillardierei</i>	Common Tussock-grass
MNG	<i>Isachne globosa</i>	Swamp Millet
MNG	<i>Microlaena stipoides var. stipoides</i>	Weeping Grass
MNG	<i>Cynodon dactylon</i>	Couch
GF	<i>Pteridium esculentum</i>	Austral Bracken
EP	<i>Amyema quandang var. quandang</i>	Grey Mistletoe

EVC 19: Riparian Shrubland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

10% Cover

Logs:

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

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Ulex europaeus</i>	Gorse	low	high
MS	<i>Rubus fruticosus</i> spp. agg.	Blackberry	high	high
LH	<i>Hypericum perforatum</i>	St John's Wort	high	high
LH	<i>Verbena bonariensis</i> s.l.	Purple-top Verbena	high	high
LH	<i>Carduus pycnocephalus</i>	Slender Thistle	high	high
LH	<i>Verbascum</i> spp.	Mullein	high	high
LH	<i>Opuntia</i> spp.	Prickly Pear	high	high
MH	<i>Acetosella vulgaris</i>	Sheep Sorrel	high	low
MH	<i>Galium divaricatum</i>	Slender Bedstraw	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Stellaria media</i>	Chickweed	high	low
MH	<i>Ranunculus repens</i>	Creeping Buttercup	high	high
MH	<i>Myosotis discolor</i>	Yellow-and-blue Forget-me-not	high	high
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Trifolium</i> spp.	Clover	high	low
MH	<i>Centaurium</i> spp.	Centaury	low	low
SH	<i>Ludwigia palustris</i>	Marsh Ludwigia	high	high
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Agrostis capillaris</i> s.l.	Brown-top Bent	high	high
MTG	<i>Bromus diandrus</i>	Great Brome	high	low
MTG	<i>Pentaschistis airoides</i> ssp. <i>airoides</i>	False Hair-grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Cyperus eragrostis</i>	Drain Flat-sedge	high	high
MNG	<i>Paspalum distichum</i>	Water Couch	high	high
MNG	<i>Bromus rubens</i>	Red Brome	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
SC	<i>Asparagus asparagoides</i>	Bridal Creeper	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 20: Heathy Dry Forest

Description:

Open eucalypt forest to 20 m tall. Grows on shallow, rocky skeletal soils on a variety of geologies and on a range of landforms from gently undulating hills to exposed aspects on ridge tops and steep slopes at a range of elevations. The understorey is dominated by a low, sparse to dense layer of ericoid-leaved shrubs including heaths and peas. Graminoids and grasses are frequently present in the ground layer, but do not provide much cover.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	60 cm	20 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus polyanthemus</i>	Red Box
	<i>Eucalyptus goniocalyx</i> s.s.	Bundy

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	6	20%	MS
Small Shrub	6	20%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	7	15%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	7	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	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
T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
MS	<i>Grevillea alpina</i>	Cat's Claw Grevillea
MS	<i>Brachyloma daphnoides</i>	Daphne Heath
MS	<i>Persoonia rigida</i>	Hairy Geebung
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Melichrus urceolatus</i>	Urn Heath
SS	<i>Hovea heterophylla</i>	Common Hovea
SS	<i>Dillwynia phyllicoides</i>	Small-leaf Parrot-pea
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
PS	<i>Acrotriche serrulata</i>	Honey-pots
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Xerochrysum viscosum</i>	Shiny Everlasting
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Helichrysum scorpioides</i>	Button Everlasting
MH	<i>Microseris scapigera</i> spp. agg.	Yam Daisy
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
MTG	<i>Joycea pallida</i>	Silvertop Wallaby-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
SC	<i>Thysanotus patersonii</i>	Twining Fringe-lily
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea

EVC 20: Heathy Dry Forest - Northern Inland Slopes bioregion

Recruitment:

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

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 21: Shrubby Dry Forest

Description:

Occurs on a range of geologies on exposed aspects such as ridge-lines and medium to steep upper slopes, often in high rainfall areas and on shallow infertile soils. The overstorey is an open forest to 25 m tall characterised by the diversity and variability of the eucalypts. The understorey often lacks a secondary tree layer but contains a well-developed medium to low shrub layer. The ground layer is often very sparse with tussock-forming graminoids being the dominant life form.

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 dives</i>	Broad-leaved Peppermint
	<i>Eucalyptus mannifera</i> ssp. <i>mannifera</i>	Brittle Gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	8	15%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	2	5%	PS
Large Herb	2	1%	LH
Medium Herb	7	5%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	6	10%	MTG
Ground Fern	2	5%	GF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		65%	

EVC 21: Shrubby Dry Forest – Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
MS	<i>Cassinia aculeata</i>	Common Cassinia
MS	<i>Daviesia latifolia</i>	Hop Bitter-pea
MS	<i>Daviesia ulicifolia</i>	Gorse Bitter-pea
MS	<i>Pultenaea juniperina</i> s.l.	Prickly Bush-pea
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Tetratheca ciliata</i>	Pink-bells
SS	<i>Hovea heterophylla</i>	Common Hovea
SS	<i>Olearia erubescens</i>	Moth Daisy-bush
PS	<i>Persoonia chamaepeuce</i>	Dwarf Geebung
PS	<i>Acrotriche serrulata</i>	Honey-pots
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Senecio linearifolius</i>	Fireweed Groundsel
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Asperula scoparia</i>	Prickly Woodruff
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Joycea pallida</i>	Silvertop Wallaby-grass
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea
SC	<i>Clematis aristata</i>	Mountain Clematis

Recruitment:

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

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

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

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 22: Grassy Dry Forest

Description:

Occurs on a variety of gradients and altitudes and on a range of geologies. The overstorey is dominated by a low to medium height forest of eucalypts to 20 m tall, sometimes resembling an open woodland with a secondary, smaller tree layer including a number of Acacia species. The understorey usually consists of a sparse shrub layer of medium height. Grassy Dry Forest is characterised by a ground layer dominated by a high diversity of drought-tolerant grasses and herbs, often including a suite of fern species.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	60 cm	20 / ha
<i>Callitris</i> spp.	40 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Eucalyptus goniacalyx</i> s.l.	Bundy
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus polyanthemus</i>	Red Box
	<i>Eucalyptus blakelyi</i>	Blakely's Red Gum
	<i>Callitris endlicheri</i>	Black Cypress-pine

Understorey:

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

EVC 22: Grassy Dry Forest - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
T	<i>Acacia implexa</i>	Lightwood
MS	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Acacia verniciflua</i>	Varnish Wattle
MS	<i>Cassinia longifolia</i>	Shiny Cassinia
MS	<i>Cassinia aculeata</i>	Common Cassinia
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Hovea heterophylla</i>	Common Hovea
SS	<i>Hibbertia riparia</i>	Erect Guinea-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
MH	<i>Gonocarpus tetragynus</i>	Common Raspswort
MH	<i>Hypericum gramineum</i>	Small St John's Wort
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
MH	<i>Euchiton collinus</i> s.l.	Clustered/Creeping Cudweed
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
MTG	<i>Joycea pallida</i>	Silvertop Wallaby-grass
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Cheilanthes austrotenuifolia</i>	Green Rock-fern
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Hypericum perforatum</i>	St John's Wort	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	<i>Centaurea erythraea</i>	Common Centaury	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Cerastium glomeratum</i> s.l.	Common Mouse-ear Chickweed	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	high	high
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 23: Herb-rich Foothill Forest

Description:

A medium to tall open forest to 30 m tall with a small tree layer over a sparse to dense shrub layer. Occurs on relatively fertile, moderately well-drained soils on an extremely wide range of geological types and in areas of moderate to high rainfall. Occupies easterly and southerly aspects mainly on lower slopes and in gullies. The understorey contains a high cover and diversity of herbs and grasses in the ground layer, which characterises this EVC.

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 dives</i>	Broad-leaved Peppermint
	<i>Eucalyptus dalrympleana</i> ssp. <i>dalrympleana</i>	Mountain Gum
	<i>Eucalyptus radiata</i> s.l.	Narrow-leaf Peppermint
	<i>Eucalyptus obliqua</i>	Messmate Stringybark
	<i>Eucalyptus globulus</i> ssp. <i>bicostata</i>	Eurabbie
	<i>Eucalyptus mannifera</i> ssp. <i>mannifera</i>	Brittle Gum
	<i>Eucalyptus rubida</i>	Candlebark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	3	10%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	2	5%	PS
Large Herb	3	5%	LH
Medium Herb	13	25%	MH
Small or Prostrate Herb	4	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	6	20%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	20%	BL

EVC 23: Herb-rich Foothill Forest - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Daviesia latifolia</i>	Hop Bitter-pea
MS	<i>Pimelea linifolia</i> ssp. <i>linifolia</i>	Slender Rice-flower
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Hovea heterophylla</i>	Common Hovea
SS	<i>Tetradlea ciliata</i>	Pink-bells
SS	<i>Olearia erubescens</i>	Moth Daisy-bush
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Acrotriche prostrata</i>	Trailing Ground-berry
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Pterostylis longifolia</i> s.l.	Tall Greenhood
MH	<i>Poranthera microphylla</i>	Small Poranthera
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
MH	<i>Stackhousia monogyna</i>	Creamy Stackhousia
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Cymbonotus preissianus</i>	Austral Bear's-ear
LTG	<i>Lomandra longifolia</i> ssp. <i>exilis</i>	Cluster-headed Mat-rush
MTG	<i>Luzula meridionalis</i> var. <i>flaccida</i>	Common Woodrush
MTG	<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass
MTG	<i>Lomandra multiflora</i> ssp. <i>multiflora</i>	Many-flowered Mat-rush
MTG	<i>Stylidium graminifolium</i> s.l.	Grass Trigger-plant
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
SC	<i>Glycine clandestina</i>	Twining Glycine
SC	<i>Clematis aristata</i>	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Centaurea erythraea</i>	Common Centaury	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Microrhiza glomerata</i> s.l.	Common Mouse-ear Chickweed	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes 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 5 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 Hermland.

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	7	25%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	5	5%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Ground Fern	2	5%	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>Monotoca scoparia</i>	Prickly Broom-heath
MS	<i>Hovea pannosa s.l.</i>	Mountain Beauty
MS	<i>Brachyloma daphnoides</i>	Daphne Heath
MS	<i>Persoonia confertiflora</i>	Cluster-flower Geebung
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Dillwynia phyllicoides</i>	Small-leaf Parrot-pea
SS	<i>Rhytidosporum procumbens</i>	White Marianth
SS	<i>Acacia gunnii</i>	Ploughshare Wattle
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
PS	<i>Persoonia chamaepeuce</i>	Dwarf Geebung
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Derwentia perfoliata</i>	Digger's Speedwell
LH	<i>Wahlenbergia multicaulis</i>	Branching Bluebell
LH	<i>Chrysocephalum semipapposum</i>	Clustered Everlasting
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Helichrysum scorpioides</i>	Button Everlasting
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Diuris sulphurea</i>	Tiger Orchid
SH	<i>Crassula sieberiana</i>	Sieber Crassula
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
LTG	<i>Austrodanthonia induta</i>	Shiny Wallaby-grass
MTG	<i>Dianella revoluta s.l.</i>	Black-anther Flax-lily
MTG	<i>Poa labillardierei</i>	Common Tussock-grass
MTG	<i>Joycea pallida</i>	Silvertop Wallaby-grass
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
GF	<i>Cheilanthes sieberi ssp. sieberi</i>	Narrow Rock-fern
GF	<i>Asplenium flabellifolium</i>	Necklace Fern

EVC 28: Rocky Outcrop Shrubland - Northern Inland Slopes 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
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes 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. Typically in gullies and on protected slopes. 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
25%	<i>Eucalyptus dalrympleana</i> ssp. <i>dalrympleana</i>	Mountain Gum
	<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	4	10%	T
Medium Shrub	3	5%	MS
Small Shrub	1	1%	SS
Large Herb	2	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	3	1%	LTG
Medium to Small Tufted Graminoid	2	1%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	7	20%	GF
Tree Fern	2	50%	TRF
Scrambler or Climber	3	5%	SC
Bryophytes/Lichens	na	20%	BL

EVC 29: Damp Forest - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Bedfordia arborescens</i>	Blanket-leaf
T	<i>Lomatia fraseri</i>	Tree Lomatia
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
MS	<i>Hedycarya angustifolia</i>	Austral Mulberry
MS	<i>Prostanthera lasianthos</i>	Victorian Christmas-bush
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
SS	<i>Rubus parvifolius</i>	Small-leaf Bramble
LH	<i>Senecio minimus</i>	Shrubby Fireweed
MH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
SH	<i>Hypericum japonicum</i>	Matted St John's Wort
SH	<i>Hydrocotyle tripartita</i>	Slender Pennywort
LTG	<i>Cyperus lucidus</i>	Leafy Flat-sedge
LTG	<i>Carex appressa</i>	Tall Sedge
LTG	<i>Poa labillardierei</i> var. <i>labillardierei</i>	Common Tussock-grass
MTG	<i>Luzula meridionalis</i> var. <i>flaccida</i>	Common Woodrush
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Blechnum minus</i>	Soft Water-fern
TRF	<i>Todea barbara</i>	Austral King-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
SC	<i>Rubus rosifolius</i> var. <i>rosifolius</i>	Rose-leaf Bramble
SC	<i>Parsonsia brownii</i>	Twining Silkpod
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>Rosa rubiginosa</i>	Sweet Briar	high	high
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Cerastium vulgare</i>	Common Mouse-ear Chickweed	high	low
MH	<i>Prunella vulgaris</i>	Self-heal	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes 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 dalrympleana</i> ssp. <i>dalrympleana</i>	Mountain Gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	4	30%	T
Medium Shrub	6	20%	MS
Small Shrub	1	1%	SS
Large Herb	2	1%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Large Non-tufted Graminoid	1	10%	LNG
Medium to Small Tufted Graminoid	1	5%	MTG
Ground Fern	4	20%	GF
Tree Fern	2	10%	TRF
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>Acacia dealbata</i>	Silver Wattle
T	<i>Pomaderris aspera</i>	Hazel Pomaderris
T	<i>Olearia argophylla</i>	Musk Daisy-bush
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Olearia phlogopappa</i>	Dusty Daisy-bush
MS	<i>Cassinia aculeata</i>	Common Cassinia
MS	<i>Correa lawrenceana</i>	Mountain Correa
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>Geranium potentilloides</i>	Cinquefoil Cranesbill
SH	<i>Leptostigma reptans</i>	Dwarf Nertera
LTG	<i>Lepidosperma elatius</i>	Tall Sword-sedge
LNG	<i>Tetrarrhena juncea</i>	Forest Wire-grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Histiopteris incisa</i>	Bat's Wing Fern
GF	<i>Blechnum wattsii</i>	Hard Water-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern
TRF	<i>Cyathea australis</i>	Rough Tree-fern
SC	<i>Clematis aristata</i>	Mountain Clematis
SC	<i>Billardiera longiflora</i> var. <i>longiflora</i>	Purple Apple-berry

EVC 30: Wet Forest - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

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

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 36: Montane Dry Woodland

Description:

Occurs on dry and exposed mid to upper slopes at montane elevations, often extending onto ridges in high rainfall areas. Effective rainfall may be enhanced by cold air drainage, low cloud cover and in some cases, persistent snow cover. Open forest to open woodland to 15 m tall, according to altitude, precipitation and frequency of fire. The shrubby understorey is an unusual combination of species, which tolerate exposed montane conditions and species which enjoy the increased moisture available from cloud and fog drip.

Large trees:

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

Tree Canopy Cover:

%cover	Character Species	Common Name
20%	<i>Eucalyptus dives</i>	Broad-leaved Peppermint
	<i>Eucalyptus rubida</i>	Candlebark
	<i>Eucalyptus radiata</i>	Narrow-leaved Peppermint

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	20%	T
Medium Shrub	5	20%	MS
Small Shrub	2	5%	SS
Prostrate Shrub	2	5%	PS
Large Herb	3	5%	LH
Medium Herb	9	15%	MH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	6	15%	MTG
Ground Fern	1	5%	GF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

EVC 36: Montane Dry Woodland - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
T	<i>Acacia obliquinervia</i>	Mountain Hickory Wattle
MS	<i>Coprosma hirtella</i>	Rough Coprosma
MS	<i>Cassinia aculeata</i>	Common Cassinia
MS	<i>Pultenaea juniperina</i> s.l.	Prickly Bush-pea
MS	<i>Polyscias sambucifolia</i>	Elderberry Panax
SS	<i>Olearia erubescens</i>	Moth Daisy-bush
SS	<i>Tetralix ciliata</i>	Pink-bells
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
PS	<i>Persoonia chamaepeuce</i>	Dwarf Geebung
PS	<i>Acrotriche serrulata</i>	Honey-pots
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
LH	<i>Arthropodium milleflorum</i> s.l.	Pale Vanilla-lily
LH	<i>Derwentia derwentiana</i>	Derwent Speedwell
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Viola betonicifolia</i> ssp. <i>betonicifolia</i>	Showy Violet
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Stylidium graminifolium</i> s.l.	Grass Trigger-plant
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Luzula meridionalis</i>	Common Woodrush
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
SC	<i>Clematis aristata</i>	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

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

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 38: Montane Damp Forest

Description:

Grows on a wide range of geologies on well-developed generally colluvial soils on a variety of aspects at 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 delegatensis</i> ssp. <i>delegatensis</i>	Alpine Ash
	<i>Eucalyptus radiata</i> s.l.	Narrow-leaf Peppermint
	<i>Eucalyptus rubida</i>	Candlebark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	15%	T
Medium Shrub	7	20%	MS
Small Shrub	2	1%	SS
Prostrate Shrub	1	5%	PS
Large Herb	4	5%	LH
Medium Herb	12	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	6	20%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Ground Fern	2	15%	GF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

EVC 38: Montane Damp Forest – Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Cassinia aculeata</i>	Common Cassinia
MS	<i>Coprosma hirtella</i>	Rough Coprosma
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Polyscias sambucifolia</i>	Elderberry Panax
SS	<i>Olearia erubescens</i>	Moth Daisy-bush
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
LH	<i>Derwentia derwentiana</i>	Derwent Speedwell
LH	<i>Senecio linearifolius</i>	Fireweed Groundsel
LH	<i>Picris angustifolia</i>	Native Picris
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
MH	<i>Stellaria pungens</i>	Prickly Starwort
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Lagenophora stipitata</i>	Common Bottle-daisy
SH	<i>Chiloglottis gunnii</i> s.l.	Common Bird-orchid
SH	<i>Leptinella filicula</i>	Mountain Cotula
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MTG	<i>Poa ensiformis</i>	Sword Tussock-grass
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Stylidium graminifolium</i> s.l.	Grass Trigger-plant
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Deyeuxia rodwayi</i>	Tasman Bent-grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-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
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
MH	<i>Hypochaeris radicata</i>	Cat's Ear	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 47: Valley Grassy Forest

Description:

Valley Grassy Forest occurs under moderate rainfall regimes of 700-800 mm per annum on fertile well-drained colluvial or alluvial soils on gently undulating lower slopes and valley floors. Open forest to 20 m tall that may contain a variety of eucalypts, usually species which prefer more moist or more fertile conditions over a sparse shrub cover. In season, a rich array of herbs, lilies, grasses and sedges dominate the ground layer but at the drier end of the spectrum the ground layer may be sparse and slightly less diverse, but with the moisture-loving species still remaining.

Large trees:

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

Tree Canopy Cover:

%cover	Character Species	Common Name
20%	<i>Eucalyptus blakelyi</i>	Blakely's Red-gum
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus albens</i>	White Box
	<i>Eucalyptus rubida</i>	Candlebark
	<i>Eucalyptus bridgesiana</i>	But But
	<i>Eucalyptus polyanthemus</i>	Red Box

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
Small Shrub	3	5%	SS
Large Herb	1	1%	LH
Medium Herb	8	20%	MH
Small or Prostrate Herb	3	1%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	12	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Bryophytes/Lichens	na	20%	BL

EVC 47: Valley Grassy Forest - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
T	<i>Acacia melanoxylon</i>	Blackwood
T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
MS	<i>Cassinia aculeata</i>	Dogwood
MS	<i>Dodonaea viscosa</i> ssp. <i>angustissima</i>	Narrow-leaf Hop-bush
MS	<i>Indigofera australis</i>	Austral Indigo
SS	<i>Hibbertia riparia</i>	Erect Guinea-flower
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Platylobium formosum</i>	Handsome Flat-pea
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Hypericum gramineum</i>	Small St John's Wort
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
SH	<i>Desmodium varians</i>	Slender Tick-trfoil
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Arthropodium strictum</i> s.l.	Chocolate Lily
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Cheilanthes austrotenuifolia</i>	Green Rock-fern
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea
SC	<i>Glycine clandestina</i>	Twining Glycine

Recruitment:
Continuous

Organic Litter:
20 % cover

Logs:
20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Hypericum perforatum</i>	St John's Wort	high	high
LH	<i>Sonchus asper</i> s.l.	Rough Sow-thistle	high	low
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MTG	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 55: Plains Grassy Woodland

Description:

An open, eucalypt woodland to 15 m tall occurring on a number of geologies and soil types. Occupies poorly drained, fertile soils on flat or gently undulating plains at low elevations. The understorey consists of a few sparse shrubs over a species-rich grassy and herbaceous ground layer. Occurred extensively in the past but has been mainly cleared for agriculture, resulting in few intact remnants remaining.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	15 / ha
<i>Callitris</i> spp.	50 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Callitris glaucophylla</i>	White Cypress-pine
	<i>Eucalyptus microcarpa</i>	Grey Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus bridgesiana</i> s.l.	But But

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	2	10%	MS
Small Shrub	1	1%	SS
Large Herb	2	5%	LH
Medium Herb	15	40%	MH
Small or Prostrate Herb	5	10%	SH
Medium to Small Tufted Graminoid	8	30%	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

LF Code

Species typical of at least part of EVC range

Common Name

MS	<i>Acacia acinacea</i> s.l.	Gold-dust Wattle
MS	<i>Acacia paradoxa</i>	Hedge Wattle
SS	<i>Pimelea curviflora</i> s.l.	Curved Rice-flower
SS	<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
LH	<i>Wahlenbergia luteola</i>	Yellowish Bluebell
MH	<i>Chrysocephalum apiculatum</i> s.l.	Common Everlasting
MH	<i>Leptorhynchus squamatus</i>	Scaly Buttons
MH	<i>Stuartina muelleri</i>	Spoon Cudweed
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
SH	<i>Triptilodiscus pygmaeus</i>	Common Sunray
SH	<i>Actinobole uliginosum</i>	Flannel Cudweed
SH	<i>Calotis hispidula</i>	Hairy Burr-daisy
SH	<i>Ptilotus spathulatus</i> f. <i>spathulatus</i>	Pussy Tails
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
MTG	<i>Austroanthonia pilosa</i>	Velvet Wallaby-grass
MTG	<i>Austroanthonia caespitosa</i>	Common Wallaby-grass
MTG	<i>Themeda triandra</i>	Kangaroo Grass
SC	<i>Thysanotus patersonii</i>	Twining Fringe-lily
SC	<i>Glycine clandestina</i>	Twining Glycine

EVC 55: Plains Grassy Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Arctotheca calendula</i>	Cape Weed	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Parentucellia latifolia</i>	Red Bartsia	high	low
MH	<i>Petrorhagia nanteuilii</i>	Childling Pink	high	low
SH	<i>Trifolium tomentosum</i> var. <i>tomentosum</i>	Woolly Clover	high	low
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MTG	<i>Phalaris minor</i>	Lesser Canary-grass	high	low
MNG	<i>Bromus rubens</i>	Red Brome	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 56: Floodplain Riparian Woodland

Description:

An open woodland to 20 m tall usually dominated by Red Gum *Eucalyptus* spp. over a medium to tall shrub layer with a ground layer consisting of amphibious and aquatic herbs and sedges. Occurs along the banks and floodplains of the larger meandering rivers and major creeks, often in conjunction with one or more floodplain wetland communities. Elevation and rainfall are relatively low and soils are fertile alluviums subject to periodic flooding and inundation.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus camaldulensis</i>	River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	6	15%	MS
Small Shrub	1	1%	SS
Large Herb	4	10%	LH
Medium Herb	4	10%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	2	10%	LNG
Medium to Small Tufted Graminoid	4	15%	MTG
Medium to Tiny Non-tufted Graminoid	3	10%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	1	5%	SC
Bryophytes/Lichens	na	10%	BL

LF Code

Species typical of at least part of EVC range

Common Name

T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Hymenanthera dentata</i> s.l.	Tree Violet
MS	<i>Cassinia aculeata</i>	Common Cassinia
MS	<i>Kunzea ericoides</i>	Burgan
SS	<i>Rubus parvifolius</i>	Small-leaf Bramble
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
LTG	<i>Carex appressa</i>	Tall Sedge
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Juncus amabilis</i>	Hollow Rush
MTG	<i>Poa labillardierei</i>	Common Tussock-grass
MTG	<i>Cyperus lhotskyanus</i>	Creeping Flat-sedge
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Distichlis distichophylla</i>	Australian Salt-grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
EP	<i>Muellerina eucalyptoides</i>	Creeping Mistletoe

EVC 56: Floodplain Riparian Woodland - Northern Inland Slopes bioregion

Recruitment:

Episodic/Flood. Desirable period between disturbances is 10 years.

Organic Litter:

40 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
T	<i>Pinus radiata</i>	Radiata Pine	low	high
T	<i>Crataegus monogyna</i>	Hawthorn	low	high
MS	<i>Rosa rubiginosa</i>	Sweet Briar	low	high
MS	<i>Ulex europaeus</i>	Gorse	low	high
MS	<i>Rubus fruticosus</i> spp. agg.	Blackberry	high	high
LH	<i>Foeniculum vulgare</i>	Fennel	high	high
LH	<i>Verbena bonariensis</i> s.l.	Purple-top Verbena	high	high
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Plantago lanceolata</i>	Ribwort	high	low
LH	<i>Rumex crispus</i>	Curled Dock	high	low
LH	<i>Sonchus asper</i> s.l.	Rough Sow-thistle	high	low
LH	<i>Solanum nigrum</i> sensu Willis (1972)	Black Nightshade	high	low
LH	<i>Silybum marianum</i>	Variegated Thistle	high	high
LH	<i>Rorippa palustris</i>	Marsh Yellow-cress	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Acetosella vulgaris</i>	Sheep Sorrel	high	high
MH	<i>Trifolium dubium</i>	Suckling Clover	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Cerastium glomeratum</i> s.l.	Common Mouse-ear Chickweed	high	low
MH	<i>Prunella vulgaris</i>	Self-heal	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
SH	<i>Trifolium repens</i> var. <i>repens</i>	White Clover	high	low
SH	<i>Polygonum aviculare</i> s.l.	Prostrate Knotweed	high	low
SH	<i>Callitriche stagnalis</i>	Common Starwort	high	high
LTG	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	high	high
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Lolium multiflorum</i>	Italian Rye-grass	high	low
MTG	<i>Cyperus eragrostis</i>	Drain Flat-sedge	high	high
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MTG	<i>Lolium perenne</i>	Perennial Rye-grass	high	high
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Critesion murinum</i>	Barley-grass	high	low
MTG	<i>Poa annua</i>	Annual Meadow-grass	high	low
MTG	<i>Bromus diandrus</i>	Great Brome	high	low
MTG	<i>Bromus catharticus</i>	Prairie Grass	high	low
MTG	<i>Dactylis glomerata</i>	Cocksfoot	high	high
MNG	<i>Paspalum distichum</i>	Water Couch	high	high
SC	<i>Galium aparine</i>	Cleavers	high	low
SC	<i>Vicia sativa</i>	Common Vetch	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 61: Box Ironbark Forest

Description:

Occurs in low rainfall areas on gently undulating rises, low hills and penneplains on infertile, often stony soils derived from a range of geologies. Open eucalypt forest to 20 m tall, often including one of the Ironbark species. The mid storey often forms a dense to open small tree or shrub layer over an open ground layer ranging from a sparse to well-developed suite of herbs and grasses.

Large trees:

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

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Eucalyptus sideroxylon</i> s.s.	Mugga
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus polyanthemus</i>	Red Box
	<i>Eucalyptus microcarpa</i>	Grey Box

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	5	10%	MS
Small Shrub	5	15%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	6	15%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	8	20%	MTG
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		85%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia pycnantha</i>	Golden Wattle
MS	<i>Grevillea alpina</i>	Cat's Claw Grevillea
MS	<i>Cassinia arcuata</i>	Drooping Cassinia
MS	<i>Daviesia leptophylla</i>	Narrow-leaf Bitter-pea
SS	<i>Hibbertia riparia</i>	Erect Guinea-flower
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Dillwynia sericea</i> s.l.	Showy Parrot-pea
PS	<i>Acrotriche serrulata</i>	Honey-pots
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Xerochrysum bracteatum</i>	Golden Everlasting
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Goodenia hederacea</i>	Ivy Goodenia
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
EP	<i>Amyema miquelii</i>	Box Mistletoe
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea

EVC 61: Box Ironbark Forest - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 67: Alluvial Terraces Herb-rich Woodland

Description:

Open woodland to 15 m tall on broad alluvial plains and along ephemeral drainage lines. Soils are generally poorly drained duplex soils with sandy loam overlying a heavier clay subsoil. Understorey consists of few, if any shrubs with the striking feature of this EVC being the high species-richness of the ground-layer and the low biomass of this cover, particularly in summer.

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 microcarpa</i>	Grey Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus albens</i>	White Box

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	5%	MS
Small Shrub	2	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	7	25%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	9	20%	MTG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		85%	

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Brachychiton populneus</i> ssp. <i>populneus</i>	Kurrajong
T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Cassinia arcuata</i>	Drooping Cassinia
MS	<i>Acacia pycnantha</i>	Golden Wattle
MS	<i>Acacia verniciflua</i>	Varnish Wattle
MS	<i>Bursaria spinosa</i> ssp. <i>spinosa</i>	Sweet Bursaria
SS	<i>Pultenaea humilis</i>	Dwarf Bush-pea
SS	<i>Hibbertia exutiacies</i>	Spiky Guinea-flower
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
MH	<i>Lagenophora huegelii</i>	Coarse Bottle-daisy
MH	<i>Stackhousia monogyna</i>	Creamy Stackhousia
MH	<i>Rumex brownii</i>	Slender Dock
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass
MTG	<i>Lomandra multiflora</i> ssp. <i>multiflora</i>	Many-flowered Mat-rush
MTG	<i>Tricoryne elatior</i>	Yellow Rush-lily
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
EP	<i>Amyema miquelii</i>	Box Mistletoe
SC	<i>Thysanotus patersonii</i>	Twining Fringe-lily

EVC 67: Alluvial Terraces Herb-rich Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

15 m/0.1 ha.

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>Centaureum</i> spp.	Centaury	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MNG	<i>Bromus rubens</i>	Red Brome	high	low
MNG	<i>Vulpia</i> spp.	Fescue	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 68: Creekline Grassy Woodland

Description:

Eucalypt-dominated woodland to 15 m tall with occasional scattered shrub layer over a mostly grassy/sedgy to herbaceous ground-layer. Occurs on low-gradient ephemeral to intermittent drainage lines, typically on fertile colluvial/alluvial soils, on a wide range of suitably fertile geological substrates. These minor drainage lines can include a range of graminoid and herbaceous species tolerant of waterlogged soils, and are presumed to have sometimes resembled a linear wetland or system of interconnected small ponds.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus camaldulensis</i>	River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	4	10%	MS
Small Shrub	3	5%	SS
Large Herb	2	5%	LH
Medium Herb	9	15%	MH
Small Herb*	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	16	35%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Bryophytes/Lichens	na	10%	BL

LF Code

Species typical of at least part of EVC range

Common Name

T	<i>Acacia dealbata</i>	Silver Wattle
T	<i>Acacia melanoxylon</i>	Blackwood
MS	<i>Acacia pycnantha</i>	Golden Wattle
MS	<i>Melaleuca parvistaminea</i>	Rough-barked Haoney-myrtle
MS	<i>Acacia retinodes</i> var. <i>retinodes</i>	Wilrilda
SS	<i>Pimelea humilis</i>	Common Rice-flower
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Senecio quadridentatus</i>	Cottony Fireweed
MH	<i>Centipeda cunninghamii</i>	Common Sneezeweed
MH	<i>Hypericum gramineum</i>	Small St John's Wort
SH	<i>Dichondra repens</i>	Kidneyweed
LTG	<i>Carex appressa</i>	Tall Sedge
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
MTG	<i>Poa labillardierei</i>	Common Tussock-grass
MTG	<i>Juncus</i> spp.	Rush
MTG	<i>Cyperus</i> spp.	Flat-sedge
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass

EVC 68: Creekline Grassy Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

30 m/0.1 ha.

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>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Galium murale</i>	Small Goosegrass	high	low
MH	<i>Oxalis pes-caprae</i>	Soursob	high	high
LTG	<i>Juncus acutus</i>	Spiny Rush	high	high
LTG	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	high	high
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Romulea rosea</i>	Onion Grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	low
MNG	<i>Bromus madritensis</i>	Madrid Brome	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 72: Granitic Hills Woodland

Description:

Mainly restricted to 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.	50 cm	15 / ha
<i>Callitris</i> spp.	30 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus blakelyi</i>	Blakely's Red-gum
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus goniacalyx</i> s.l.	Bundy
	<i>Callitris endlicheri</i>	Black Cypress-pine
	<i>Callitris glaucophylla</i>	White Cypress-pine

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	7	20%	MS
Small Shrub	3	5%	SS
Large Herb	4	5%	LH
Medium Herb	11	15%	MH
Small or Prostrate Herb	2	1%	SH
Medium to Small Tufted Graminoid	6	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	1%	MNG
Ground Fern	2	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		65%	

EVC 72: Granitic Hills Woodland - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Allocasuarina verticillata</i>	Drooping Sheoak
MS	<i>Acacia buxifolia</i> ssp. <i>buxifolia</i>	Box-leaf Wattle
MS	<i>Calytrix tetragona</i>	Common Fringe-myrtle
MS	<i>Persoonia rigida</i>	Hairy Geebung
MS	<i>Brachyloma daphnoides</i>	Daphne Heath
MS	<i>Acacia verniciflua</i>	Varnish Wattle
SS	<i>Hibbertia riparia</i>	Erect Guinea-flower
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
SS	<i>Pultenaea procumbens</i>	Heathy Bush-pea
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Xerochrysum viscosum</i>	Shiny Everlasting
LH	<i>Stypandra glauca</i>	Nodding Blue-lily
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Gonocarpus elatus</i>	Tall Raspwort
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
MTG	<i>Lepidosperma laterale</i>	Variable Sword-sedge
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
GF	<i>Cheilanthes austrotenuifolia</i>	Green Rock-fern
SC	<i>Thysanotus patersonii</i>	Twining Fringe-lily
SC	<i>Glycine clandestina</i>	Twining Glycine

Recruitment:

Continuous

Organic Litter:

20 % 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
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Cerastium glomeratum</i> s.l.	Common Mouse-ear Chickweed	high	low
MH	<i>Galium murale</i>	Small Goosegrass	high	low
MH	<i>Galium divaricatum</i>	Slender Bedstraw	high	low
MH	<i>Petrorhagia velutina</i>	Velvety Pink	high	low
MH	<i>Centaurea spp.</i>	Centaury	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 80: Spring Soak Woodland

Description:

Woodland to 10 m tall with an understorey dominated by medium and small herbs and occasional shrubs. Generally occurring on granitic-outwash soils and dependent on the continual availability of a reliable water supply.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	50 cm	5 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
10%	<i>Eucalyptus blakelyi</i>	Blakely's Red-gum
	<i>Eucalyptus bridgesiana</i> s.s.	But But

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	2	5%	MS
Large Herb	2	1%	LH
Medium Herb	6	10%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	3	5%	LNG
Medium to Small Tufted Graminoid	9	35%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Mirbelia oxylobioides</i>	Mountain Mirbelia
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
LH	<i>Senecio minimus</i>	Shrubby Fireweed
MH	<i>Ranunculus sessiliflorus</i> var. <i>sessiliflorus</i>	Annual Buttercup
SH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
SH	<i>Hypericum japonicum</i>	Matted St John's Wort
SH	<i>Gonocarpus micranthus</i> ssp. <i>micranthus</i>	Creeping Raspwort
LTG	<i>Juncus sarophorus</i>	Broom Rush
LTG	<i>Carex appressa</i>	Tall Sedge
LNG	<i>Baumea rubiginosa</i> s.s.	Soft Twig-sedge
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Juncus fockei</i>	Slender Joint-leaf Rush
MTG	<i>Poa labillardierei</i> var. <i>labillardierei</i>	Common Tussock-grass
MTG	<i>Juncus holoschoenus</i>	Joint-leaf Rush
MTG	<i>Luzula meridionalis</i> var. <i>flaccida</i>	Common Woodrush
MNG	<i>Eleocharis gracilis</i>	Slender Spike-sedge

EVC 80: Spring Soak Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

5 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus aspers</i> s.l.	Rough Sow-thistle	high	low
LH	<i>Hypericum perforatum</i>	St John's Wort	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MH	<i>Centaureum</i> spp.	Centaury	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
TTG	<i>Cyperus tenellus</i>	Tiny Flat-sedge	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 82: Riverine Escarpment Scrub

Description:

Shrubland to 10 m tall with occasional emergent eucalypts. Occurs on shallow colluvial soils along rocky cliffs and slopes associated with rivers and creeks and may extend onto alluvial terraces. Characterised by a dense medium to tall shrub layer over a ground layer which can range from low to high diversity and consist of a variety of graminoids and herbs. Ferns can often be a major component of the ground stratum.

Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Acacia melanoxylon</i>	Blackwood
	<i>Pomaderris aspera</i>	Hazel Pomaderris
	<i>Acacia dealbata</i>	Silver Wattle

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Shrub		5%	IT
Medium Shrub	8	30%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	2	1%	PS
Large Herb	2	5%	LH
Medium Herb	12	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	10%	LTG
Medium to Small Tufted Graminoid	4	15%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	3	10%	GF
Scrambler or Climber	1	5%	SC
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Lomatia myricoides</i>	River Lomatia
MS	<i>Leptospermum brevipes</i>	Slender Tea-tree
MS	<i>Kunzea ericoides</i>	Burgan
SS	<i>Leucopogon hookeri</i>	Mountain Beard-heath
PS	<i>Platylobium formosum</i>	Handsome Flat-pea
PS	<i>Acrotriche serrulata</i>	Honey-pots
LH	<i>Epilobium billardierianum</i> ssp. <i>hydrophilum</i>	Robust Willow-herb
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
MH	<i>Ajuga australis</i>	Austral Buglee
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Lagenophora stipitata</i>	Common Bottle-daisy
MH	<i>Viola hederacea</i> sensu Willis (1972)	Ivy-leaf Violet
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
LTG	<i>Cyperus lucidus</i>	Leafy Flat-sedge
LTG	<i>Carex appressa</i>	Tall Sedge
LTG	<i>Lomandra longifolia</i>	Spiny-headed Mat-rush
MTG	<i>Poa labillardierei</i> var. <i>labillardierei</i>	Common Tussock-grass
MTG	<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass
MTG	<i>Dianella tasmanica</i>	Tasman Flax-lily
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Adiantum aethiopicum</i>	Common Maidenhair
GF	<i>Blechnum nudum</i>	Fishbone Water-fern

EVC 82: Riverine Escarpment Scrub - Northern Inland Slopes 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
MS	<i>Rosa rubiginosa</i>	Sweet Briar	low	high
MS	<i>Rubus</i> sp. aff. <i>armeniacus</i>	Blackberry	low	high
MS	<i>Rubus fruticosus</i> spp. agg.	Blackberry	low	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Centaureum erythraea</i>	Common Centaury	high	low
MH	<i>Prunella vulgaris</i>	Self-heal	high	high
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 83: Swampy Riparian Woodland

Description:

Woodland to 15 m tall generally occupying low energy streams of the foothills and plains. The lower strata are variously locally dominated by a range of large and medium shrub species on the stream levees in combination with large tussock grasses and sedges in the ground layer.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	10 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus camphora</i> ssp. <i>humeana</i>	Mountain Swamp-gum
	<i>Eucalyptus ovata</i>	Swamp Gum
	<i>Eucalyptus radiata</i> s.l.	Narrow-leaf Peppermint
	<i>Melaleuca ericifolia</i>	Swamp Paperbark

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	15%	T
Medium Shrub	4	10%	MS
Small Shrub	1	1%	SS
Large Herb	3	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	4	5%	SH
Large Tufted Graminoid	4	20%	LTG
Large Non-tufted Graminoid	2	5%	LNG
Medium to Small Tufted Graminoid	4	15%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Ground Fern	4	10%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	20%	BL

EVC 83: Swampy Riparian Woodland - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia melanoxylon</i>	Blackwood
T	<i>Acacia dealbata</i>	Silver Wattle
MS	<i>Coprosma quadrifida</i>	Prickly Currant-bush
MS	<i>Leptospermum continentale</i>	Prickly Tea-tree
MS	<i>Epacris breviflora</i>	Drumstick Heath
SS	<i>Rubus parvifolius</i>	Small-leaf Bramble
LH	<i>Mentha laxiflora</i>	Forest Mint
LH	<i>Epilobium gunnianum</i>	Gunn's Willow-herb
LH	<i>Urtica incisa</i>	Scrub Nettle
LH	<i>Senecio minimus</i>	Shrubby Fireweed
MH	<i>Acaena novae-zelandiae</i>	Bidgee-widgee
MH	<i>Geranium potentilloides</i>	Cinquefoil Cranesbill
MH	<i>Asperula scoparia</i>	Prickly Woodruff
SH	<i>Hydrocotyle hirta</i>	Hairy Pennywort
SH	<i>Dichondra repens</i>	Kidney-weed
SH	<i>Hypericum japonicum</i>	Matted St John's Wort
SH	<i>Gonocarpus micranthus</i> ssp. <i>micranthus</i>	Creeping Raspwort
SH	<i>Hydrocotyle tripartita</i>	Slender Pennywort
LTG	<i>Cyperus lucidus</i>	Leafy Flat-sedge
LTG	<i>Carex appressa</i>	Tall Sedge
LTG	<i>Gahnia sieberiana</i>	Red-fruit Saw-sedge
LNG	<i>Phragmites australis</i>	Common Reed
MTG	<i>Poa labillardierei</i>	Common Tussock-grass
MTG	<i>Poa ensiformis</i>	Sword Tussock-grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
MNG	<i>Eleocharis gracilis</i>	Slender Spike-sedge
MNG	<i>Echinopogon ovatus</i>	Common Hedgehog-grass
GF	<i>Pteridium esculentum</i>	Austral Bracken
GF	<i>Blechnum nudum</i>	Fishbone Water-fern
GF	<i>Polystichum proliferum</i>	Mother Shield-fern
GF	<i>Blechnum minus</i>	Soft Water-fern
TRF	<i>Dicksonia antarctica</i>	Soft Tree-fern

Recruitment:
Continuous

Organic Litter:
20 % cover

Logs:
20 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>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
MH	<i>Mimulus moschatus</i>	Musk Monkey-flower	high	low
MH	<i>Lotus corniculatus</i>	Bird's-foot Trefoil	high	high
SH	<i>Trifolium repens</i> var. <i>repens</i>	White Clover	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 93: Sandstone Ridge Shrubland (*syn.* Broombush Mallee)

Description:

Low open mallee to 3 m tall typically with a tall shrubby understorey, or shrubland with scattered emergent mallees. A good field character for this EVC is the dominance or co-dominance of the tall shrub *Melaleuca uncinata* in shrubland or as an understorey shrub in Mallee vegetation. Confined to the crests of outcropping Parilla sandstone ridges and also where these ridges are at least partially obscured by a shallow mantle of Lowan sand.

+ mallee only component (ignore when assessing shrubland areas and standardise final score as appropriate)

Tree Canopy Cover⁺:

%cover	Character Species	Common Name
30%	<i>Eucalyptus viridis</i>	Green Mallee
	<i>Eucalyptus behriana</i>	Bull Mallee

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	9	30%	MS
Small Shrub	5	10%	SS
Prostrate Shrub	1	1%	PS
Large Herb	1	1%	LH
Medium Herb	6	15%	MH
Medium to Small Tufted Graminoid	3	5%	MTG
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	20%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Melaleuca uncinata</i>	Broombush
MS	<i>Ozothamnus obcordatus</i>	Grey Everlasting
MS	<i>Acacia acinacea</i> s.l.	Gold-dust Wattle
MS	<i>Cassinia arcuata</i>	Drooping Cassinia
SS	<i>Astroloma conostephioides</i>	Flame Heath
SS	<i>Pultenaea largiflorens</i>	Twiggy Bush-pea
SS	<i>Pultenaea prostrata</i>	Silky Bush-pea
SS	<i>Hibbertia exutiacies</i>	Spiky Guinea-flower
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
MH	<i>Xerochrysum viscosum</i>	Shiny Everlasting
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Austrodanthonia setacea</i>	Bristly Wallaby-grass

Recruitment:

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

Organic Litter:

20 % 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>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low

EVC 93: Sandstone Ridge Shrubland (*syn.* Broombush Mallee) – Northern Inland Slopes Bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes Bioregion

EVC 93_61: Treed Sandstone Ridge Shrubland

Description:

Low open mallee to 3 m tall typically with a tall shrubby understorey, or shrubland with scattered emergent mallees. A good field character for this EVC is the dominance or co-dominance of the tall shrub *Melaleuca uncinata* in shrubland or as an understorey shrub in Mallee vegetation. Confined to the crests of outcropping Parilla sandstone ridges and also where these ridges are at least partially obscured by a shallow mantle of Lowan sand.

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	<i>Eucalyptus behriana</i>	Bull Mallee
	<i>Eucalyptus viridis</i>	Green Mallee

Understorey:

Lifeform	#Spp	%Cover	LF Code
Medium Shrub	9	30%	MS
Small Shrub	5	10%	SS
Prostrate Shrub	1	1%	PS
Large Herb	1	1%	LH
Medium Herb	6	15%	MH
Medium to Small Tufted Graminoid	3	5%	MTG
Bryophytes/Lichens		20%	BL
Soil Crust		20%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia acinacea</i> s.l.	Gold-dust Wattle
MS	<i>Cassinia arcuata</i>	Drooping Cassinia
MS	<i>Melaleuca uncinata</i>	Broombush
MS	<i>Ozothamnus obcordatus</i>	Grey Everlasting
SS	<i>Astroloma conostephioides</i>	Flame Heath
SS	<i>Hibbertia exutiacies</i>	Spiky Guinea-flower
SS	<i>Pultenaea largiflorens</i>	Twiggy Bush-pea
SS	<i>Pultenaea prostrata</i>	Silky Bush-pea
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Senecio tenuiflorus</i> s.l.	Slender Fireweed
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Xerochrysum viscosum</i>	Shiny Everlasting
MTG	<i>Austrodanthonia setacea</i>	Bristly Wallaby-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily

Recruitment:

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

Organic Litter:

20 % cover

EVC 93_61: Treed Sandstone Ridge Shrubland

Logs:

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

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low

EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 101: Samphire Shrubland

Description:

Low open shrub layer to 0.5 m tall of succulent chenopods on saline clay pans. Found in association with the various halite salinas that have developed within evaporative basins or 'boinkas'.

Life forms:

Life form	#Spp	%Cover	LF code
Small Shrub	4	20%	SS
Medium Herb	7	5%	MH
Small or Prostrate Herb	3	5%	SH
Medium to Small Tufted Graminoid	2	1%	MTG
Medium to Tiny Non-tufted Graminoid	2	1%	MNG
Total understorey projective foliage cover		20%	

LF Code	Species typical of at least part of EVC range	Common Name
SS	<i>Halosarcia pruinosa</i>	Bluish Glasswort
SS	<i>Halosarcia halocnemoides</i> ssp. <i>halocnemoides</i>	Grey Glasswort
SS	<i>Halosarcia pergranulata</i>	Blackseed Glasswort
SS	r <i>Frankenia sessilis</i>	Small-leaf Sea-heath
MH	<i>Senecio glossanthus</i>	Slender Groundsel
MH	<i>Hymenolobus procumbens</i>	Oval Purse
MH	<i>Brachyscome lineariloba</i>	Hard-head Daisy
MH	r <i>Brachyscome exilis</i>	Finger-leaved Daisy
SH	<i>Disphyma crassifolium</i> ssp. <i>clavellatum</i>	Rounded Noon-flower
SH	<i>Pogonolepis muelleriana</i>	Stiff Cup-flower
SH	<i>Crassula sieberiana</i>	Sieber Crassula
SH	<i>Millotia muelleri</i>	Common Bow-flower
MTG	<i>Triglochin calcitrapum</i> s.l.	Spurred Arrowgrass
MNG	<i>Triglochin nanum</i>	Dwarf Arrowgrass

Recruitment:

Continuous

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Brassica tournefortii</i>	Mediterranean Turnip	high	high
MH	<i>Reichardia tingitana</i>	Reichardia	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Carrichtera annua</i>	Ward's Weed	high	high
MH	<i>Spergularia diandra</i>	Lesser Sand-spurrey	high	low
SH	<i>Medicago minima</i>	Little Medic	high	high
SH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MTG	<i>Critetion murinum</i> subsp. <i>glaucum</i>	Blue Barley-grass	high	high
MNG	<i>Bromus rubens</i>	Red Brome	high	high
MNG	<i>Vulpia bromoides</i>	Rat's-tail Fescue	high	high
SNG	<i>Schismus barbata</i>	Arabian Grass	high	low
SNG	<i>Lamarckia aurea</i>	Golden-top	high	low
SNG	<i>Parapholis incurva</i>	Coast Barb-grass	high	high
SNG	<i>Critetion murinum</i> subsp. <i>glaucum</i>	Blue Barley-grass	high	high

EVC 101: Samphire Shrubland – Northern Inland Slopes bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 132: Plains Grassland

Description:

Treeless vegetation dominated by largely grass and herb life forms. Shrubs and trees may be also occasionally present.

Life forms:

Life form	#Spp	%Cover	LF code
Small Shrub	2	5%	SS
Large Herb	3	5%	LH
Medium Herb*	10	20%	MH
Small or Prostrate Herb*	3	5%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	10	30%	MTG
Medium to Tiny Non-tufted Graminoid*	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	20%	S/C

* Largely seasonal life form

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia oswaldii</i>	Umbrella Wattle
SS	<i>Sclerolaena diacantha</i>	Grey Copperburr
SS	<i>Maireana decalvans</i>	Black Cotton-bush
SS	<i>Pimelea curviflora</i> s.s.	Curved Rice-flower
LH	<i>Ptilotus exaltatus</i>	Mulla Mulla
LH	<i>Eryngium ovinum</i>	Blue Devil
LH	<i>Calocephalus citreus</i>	Lemon Beauty-heads
MH	<i>Calotis scabiosifolia</i>	Rough Burr-daisy
MH	<i>Goodenia pinnatifida</i>	Cut-leaf Goodenia
MH	<i>Sida corrugata</i>	Variable Sida
MH	<i>Ptilotus macrocephalus</i>	Feather Heads
SH	<i>Maireana pentagona</i>	Hairy Bluebush
SH	<i>Chamaesyce drummondii</i>	Flat Spurge
SH	<i>Pogonolepis muelleriana</i>	Stiff Cup-flower
LTG	<i>Austrostipa blackii</i>	Crested Spear-grass
LTG	<i>Austrostipa gibbosa</i>	Spurred Spear-grass
LTG	<i>Austrostipa aristiglumis</i>	Plump Spear-grass
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
MTG	<i>Austrostipa nodosa</i>	Knotty Spear-grass
MTG	<i>Whalleya proluta</i>	Rigid Panic
MTG	<i>Austrodanthonia duttoniana</i>	Brown-back Wallaby-grass
SC	<i>Convolvulus erubescens</i> spp. agg.	Pink Bindweed

Recruitment:

Episodic/Fire or Grazing. Desirable period between disturbances is 5 years.

Organic Litter:

10% cover

EVC 132: Plains Grassland – Northern Inland Slopes bioregion

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Lycium ferocissimum</i>	Boxthorn	high	high
LH	<i>Helminthotheca echioides</i>	Ox-tongue	high	low
LH	<i>Lepidium africanum</i>	Common Peppergrass	high	low
LH	<i>Salvia verbenaca</i>	Wild Sage	high	high
LH	<i>Echium plantagineum</i>	Patterson's Curse	high	high
LH	<i>Sisymbrium irio</i>	London Rocket	high	high
LH	<i>Marrubium vulgare</i>	Horehound	high	high
LNG	<i>Avena fatua</i>	Wild Oat	high	high
MH	<i>Limonium sinuatum</i>	Wild Oat	high	high
MH	<i>Arctotheca calendula</i>	Cape Weed	high	high
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Oxalis pes-caprae</i>	Sour sob	high	high
MH	<i>Plantago coronopus</i>	Buck's-horn Plantain	high	high
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	high
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	high
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	high
MH	<i>Trifolium striatum</i>	Knotted Clover	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Hedypnois cretica</i>	Cretan Hedypnois	high	high
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low
MNG	<i>Avena barbata</i>	Bearded Oat	high	high
MNG	<i>Brachypodium distachyon</i>	False Brome	high	high
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	high
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	high
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	high
MTG	<i>Bromus diandrus</i>	Great Brome	high	high
MTG	<i>Critiesion hystrix</i>	Mediterranean Barley-grass	high	high
MTG	<i>Critiesion murinum</i>	Barley-grass	high	high
MTG	<i>Lolium rigidum</i>	Wimmera Rye-grass	high	high
MTG	<i>Pentstemon airoides</i> ssp. <i>airoides</i>	False Hair-grass	high	low
MTG	<i>Poa bulbosa</i>	Bulbous Meadow-grass	high	high
MTG	<i>Romulea minutiflora</i>	Small-flower Onion-grass	high	high
MTG	<i>Romulea rosea</i>	Onion Grass	high	high
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	high
SH	<i>Medicago minima</i>	Little Medic	high	high
SH	<i>Medicago polymorpha</i>	Burr Medic	high	high
SH	<i>Trifolium glomeratum</i>	Cluster Clover	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 175_61: *Low Rises* Grassy Woodland

Description:

A variable open eucalypt woodland to 15 m tall or occasionally Sheoak woodland to 10 m tall on more skeletal soils. Understorey includes a diverse ground layer of grasses and herbs. The shrub component is usually sparse. It occurs on sites with moderate fertility on gentle slopes or undulating hills on a range of geologies.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
<i>Allocasuarina</i> spp.	40 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus microcarpa</i>	Grey Box
	<i>Eucalyptus albens</i>	White Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus blakelyi</i>	Blakely's Red Gum
	<i>Allocasuarina verticillata</i>	Drooping Sheoak

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	10%	MS
Small Shrub	4	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	12	20%	MH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	19	40%	MTG
Medium to Tiny Non-tufted Graminoid	4	5%	MNG
Ground Fern	1	1%	GF
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>Acacia pycnantha</i>	Golden Wattle
MS	<i>Bursaria spinosa</i> ssp. <i>spinosa</i>	Sweet Bursaria
MS	<i>Acacia acinacea</i> s.l.	Gold-dust Wattle
SS	<i>Templetonia stenophylla</i>	Leafy Templetonia
SS	<i>Pimelea curviflora</i> s.l.	Curved Rice-flower
SS	<i>Pimelea humilis</i>	Common Rice-flower
SS	<i>Eutaxia microphylla</i>	Common Eutaxia
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
MH	<i>Asperula conferta</i>	Common Woodruff
MH	<i>Einadia nutans</i> ssp. <i>nutans</i>	Nodding Saltbush
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
LTG	<i>Austrostipa mollis</i>	Supple Spear-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MTG	<i>Bothriochloa macra</i>	Red-leg Grass
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MNG	<i>Austrostipa elegantissima</i>	Feather Spear-grass
GF	<i>Cheilanthes austrotenuifolia</i>	Green Rock Fern
SC	<i>Convolvulus erubescens</i> spp. agg.	Pink Bindweed

EVC 175_61: *Low Rises* Grassy Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Plantago lanceolata</i>	Ribwort	high	low
LH	<i>Salvia verbenaca</i>	Wild Sage	high	high
LH	<i>Carduus tenuiflorus</i>	Winged Thistle	high	high
MH	<i>Petrorhagia velutina</i>	Velvety Pink	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Parentucellia latifolia</i>	Red Bartsia	high	low
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
LNG	<i>Avena fatua</i>	Wild Oat	high	low
MTG	<i>Romulea minutiflora</i>	Small-flower Onion-grass	high	low
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MTG	<i>Lolium loliaceum</i>	Stiff Rye-grass	high	low
MTG	<i>Lolium perenne</i>	Perennial Rye-grass	high	low
MTG	<i>Ehrharta longiflora</i>	Annual Veldt-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Dactylis glomerata</i>	Cocksfoot	high	high
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	low
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low
MNG	<i>Bromus rubens</i>	Red Brome	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 175_62: Rainshadow Grassy Woodland

Description:

A variable open eucalypt woodland to 15 m tall over a diverse ground layer of grasses and herbs. The shrub component is usually sparse. It occurs on sites with moderate fertility on gentle slopes or undulating hills on a range of geologies.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
<i>Brachychiton</i> spp.	50 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus albens</i>	White Box
	<i>Eucalyptus polyanthemos</i>	Red Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Brachychiton populneus</i> ssp. <i>populneus</i>	Kurrajong

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	1	5%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	2	5%	PS
Large Herb	2	5%	LH
Medium Herb	13	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	15	40%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Bryophytes/Lichens	na	10%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia implexa</i>	Lightwood
MS	<i>Acacia verniciflua</i>	Varnish Wattle
MS	<i>Acacia rubida</i>	Red-stem Wattle
SS	<i>Dillwynia cinerascens</i> s.l.	Grey Parrot-pea
SS	<i>Cheiranthra cyanea</i> var. <i>cyanea</i>	Blue Finger-flower
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Wahlenbergia stricta</i>	Tall Bluebell
LH	<i>Wahlenbergia luteola</i>	Bronze Bluebell
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
SH	<i>Cymbonotus preissianus</i>	Austral Bear's-ear
SH	<i>Solenogyne dominii</i>	Smooth Solenogyne
SH	k <i>Desmodium varians</i>	Slender Tick-trefoil
LTG	<i>Juncus flavidus</i>	Gold Rush
LTG	<i>Austrostipa densiflora</i>	Dense Spear-grass
MTG	<i>Bothriochloa macra</i>	Red-leg Grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Poa sieberiana</i>	Grey Tussock-grass
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
TTG	<i>Isolepis marginata</i>	Little Club-sedge
GF	<i>Cheilanthes sieberi</i> ssp. <i>sieberi</i>	Narrow Rock-fern
SC	<i>Glycine clandestina</i>	Twining Glycine
SC	<i>Convolvulus erubescens</i> spp. agg.	Pink Bindweed

EVC 175_62: Rainshadow Grassy Woodland - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

10 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Cicendia quadrangularis</i>	Square Cicendia	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Trifolium dubium</i>	Suckling Clover	high	low
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	<i>Petrorhagia velutina</i>	Velvety Pink	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Centaureum erythraea</i>	Common Centaury	high	low
MH	<i>Parentucellia latifolia</i>	Red Bartsia	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Moenchia erecta</i>	Erect Chickweed	high	low
MH	<i>Galium divaricatum</i>	Slender Bedstraw	high	low
MH	<i>Arctotheca calendula</i>	Cape Weed	high	low
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Romulea rosea</i>	Onion Grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	low
MNG	<i>Holcus setosus</i>	Annual Fog	high	low
MNG	<i>Avena barbata</i>	Bearded Oat	high	low
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Aira caryophylla</i>	Silvery Hair-grass	high	low
TTG	<i>Cyperus tenellus</i>	Tiny Flat-sedge	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 175_63: *Shrubby Granitic-outwash* Grassy Woodland

Description:

A variable open eucalypt woodland to 15 m tall occurring on the lower slopes of granitic hills where the outwash intersects with the plains. It is restricted to free draining, deep sandy colluviums on gentle, lower slopes at altitudes of less than 300 m. The understorey includes a diverse ground layer of grasses and herbs and may include a suite of heathy shrubs more typical of sandy soils.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
<i>Allocasuarina</i> spp.	50 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus macrorhyncha</i>	Red Stringybark
	<i>Eucalyptus polyanthemus</i>	Red Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus goniocalyx</i> s.l.	Long-leaf Box
	<i>Allocasuarina luehmannii</i>	Buloke

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
Small Shrub	7	15%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	8	10%	MH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	10	20%	MTG
Medium to Tiny Non-tufted Graminoid	5	10%	MNG
Ground Fern	1	1%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

EVC 175_63: *Shrubby Granitic-outwash* Grassy Woodland - Northern Inland Slopes bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia implexa</i>	Lightwood
T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
MS	<i>Calytrix tetragona</i>	Common Fringe-myrtle
MS	<i>Brachyloma daphnoides</i>	Daphne Heath
MS	<i>Cassinia arcuata</i>	Drooping Cassinia
SS	<i>Pultenaea largiflorens</i>	Twiggy Bush-pea
SS	<i>Dillwynia cinerascens</i>	Grey Parrot-pea
SS	<i>Acacia aspera</i>	Rough Wattle
SS	<i>Hibbertia obtusifolia</i>	Grey Guinea-flower
PS	<i>Acrotriche serrulata</i>	Honey-pots
MH	<i>Chrysocephalum semipapposum</i>	Clustered Everlasting
MH	<i>Gonocarpus tetragynus</i>	Common Raspwort
MH	<i>Geranium solanderi</i> s.l.	Austral Cranesbill
MH	<i>Drosera peltata</i> ssp. <i>auriculata</i>	Tall Sundew
SH	<i>Drosera whittakeri</i> ssp. <i>aberrans</i>	Scented Sundew
SH	<i>Hydrocotyle laxiflora</i>	Stinking Pennywort
SH	<i>Stuartina muelleri</i>	Spoon Cudweed
LTG	<i>Dichelachne crinita</i>	Long-hair Plume-grass
MTG	<i>Dianella revoluta</i> s.l.	Black-anther Flax-lily
MTG	<i>Aristida ramosa</i>	Cane Wire-grass
MTG	<i>Austrostipa densiflora</i>	Dense Spear-grass
MTG	<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
GF	<i>Cheilanthes austrotenuifolia</i>	Green Rock Fern
SC	<i>Hardenbergia violacea</i>	Purple Coral-pea

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Hypericum perforatum</i>	St John's-wort	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Plantago lanceolata</i>	Ribwort	high	low
LH	<i>Salvia verbenaca</i>	Wild Sage	high	high
LH	<i>Carduus tenuiflorus</i>	Winged Thistle	high	high
MH	<i>Petrorhagia velutina</i>	Velvety Pink	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Parentucellia latifolia</i>	Red Bartsia	high	low
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
LNG	<i>Avena fatua</i>	Wild Oat	high	low
MTG	<i>Anthoxanthum odoratum</i>	Sweet Vernal-grass	high	high
MTG	<i>Romulea minutiflora</i>	Small-flower Onion-grass	high	low
MTG	<i>Bromus hordeaceus</i> ssp. <i>hordeaceus</i>	Soft Brome	high	low
MTG	<i>Lolium loliaeum</i>	Stiff Rye-grass	high	low
MTG	<i>Lolium perenne</i>	Perennial Rye-grass	high	low
MTG	<i>Ehrharta longiflora</i>	Annual Veldt-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Dactylis glomerata</i>	Cocksfoot	high	high
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	low
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low
MNG	<i>Bromus rubens</i>	Red Brome	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 235: Plains Woodland / Herb-rich Gilgai Wetland Mosaic

Description:

Open woodland to 15 m tall on broad alluvial plains and along ephemeral drainage lines. Soils are generally poorly drained heavy clays which form distinctive "gilgai" crests and troughs in a fine-scale mosaic. The understorey consists of few, if any shrubs while the ground layer is made up of a combination of "dryland" herbs/grasses and amphibious herbs/grasses tolerant of seasonal inundation.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	10 / ha
<i>Allocasuarina luehmannii</i>	40 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus camaldulensis</i>	River Red-gum
	<i>Eucalyptus microcarpa</i>	Grey Box
	<i>Allocasuarina luehmannii</i>	Buloke

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	2	10%	MS
Large Herb	2	5%	LH
Medium Herb	9	15%	MH
Small or Prostrate Herb	3	15%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	8	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		90%	

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Acacia pycnantha</i>	Golden Wattle
MS	<i>Acacia paradoxa</i>	Hedge Wattle
PS	<i>Astroloma humifusum</i>	Cranberry Heath
LH	<i>Senecio tenuiflorus</i>	Slender Fireweed
LH	<i>Senecio quadridentatus</i>	Cotton Fireweed
MH	<i>Veronica plebeia</i>	Trailing Speedwell
MH	<i>Calotis anthemoides</i>	Cut-leaf Burr-daisy
MH	<i>Brachyscome basaltica</i> var. <i>gracilis</i>	Woodland Swamp-daisy
MH	<i>Vittadinia cuneata</i>	Fuzzy New Holland-daisy
SH	<i>Cymbonotus preissianus</i>	Austral Bear's-ear
SH	<i>Myriophyllum integrifolium</i>	Tiny Water-milfoil
SH	<i>Phyllangium divergens</i>	Wiry Mitrewort
LTG	<i>Juncus pallidus</i>	Pale Rush
LTG	<i>Deyeuxia quadriseta</i>	Reed Bent-grass
MTG	<i>Lomandra filiformis</i>	Wattle Mat-rush
MTG	<i>Isolepis platycarpa</i>	Broad-fruit Club-sedge
MTG	<i>Pentapogon quadrifidus</i>	Five-awned Spear-grass
MTG	<i>Burchardia umbellata</i>	Milkmaids
MNG	<i>Microlaena stipoides</i> var. <i>stipoides</i>	Weeping Grass
TTG	<i>Centrolepis fascicularis</i>	Tufted Centrolepis

EVC 235: Plains Woodland / Herb-rich Gilgai Wetland Mosaic - Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
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>Arctotheca calendula</i>	Cape Weed	high	low
MH	<i>Anagallis arvensis</i>	Pimpernel	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
TTG	<i>Cyperus tenellus</i>	Tiny Flat-sedge	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 291: Cane Grass Wetland

Description:

Open-grassland, typically very species-poor except on outer verges, often with monospecific (or virtually so) cane-grass dominated centres. Occur on alluvial plains in shallow (~1 m deep) depressions, on very heavy grey clay soils, prone to turbidity when inundated (4-6 months) and extreme cracking when dry.

Life Forms:

Life form	#Spp	%Cover	LF code
Small or Prostrate Herb	2	10%	SH
Medium to Tiny Non-tufted Graminoid	2	50%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		70%	

LF Code	Species typical of at least part of EVC range	Common Name
SH	<i>Lemna disperma</i>	Common Duckweed
SH	<i>Azolla filiculoides</i>	Pacific Azolla
MNG	<i>Eragrostis infecunda</i>	Southern Cane-grass
MNG	<i>Eleocharis acuta</i>	Common Spike-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 291: Cane Grass Wetland –Northern Inland Slopes bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 292: Red Gum Swamp

Description:

Open woodland to 15 m tall with a diverse understorey dominated by sedgy or grassy-herbaceous aquatics and species tolerant of intermittent to seasonal inundation. Occurs on alluvial plains in the seasonally wet depressions of shallow drainage lines or prior stream meanders, typically associated with heavy paludal soils, sometimes with gilgai development. The annual rainfall across its distribution is generally below 700 mm, and the period of inundation may range from 2 to 6 months.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	10 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
10%	<i>Eucalyptus camaldulensis</i>	River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Large Herb	2	30%	LH
Medium Herb	1	1%	MH
Large Tufted Graminoid	2	10%	LTG
Medium to Small Tufted Graminoid	3	15%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		80%	

LF Code	Species typical of at least part of EVC range	Common Name
LH	<i>Myriophyllum crispatum</i>	Upright Water-milfoil
LH	<i>Villarsia reniformis</i>	Running Marsh-flower
MH	<i>Alternanthera denticulata</i> s.l.	Lesser Joyweed
MH	<i>Ludwigia peploides</i> ssp. <i>montevidensis</i>	Clove-strip
LTG	<i>Carex appressa</i>	Tall Sedge
MTG	<i>Lachnagrostis filiformis</i> var. <i>filiformis</i>	Common Blown-grass
MTG	<i>Juncus holoschoenus</i>	Joint-leaf Rush
MNG	<i>Eleocharis acuta</i>	Common Spike-sedge

Recruitment:

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

Organic Litter:

10 % cover

Logs:

15 m/0.1 ha.

EVC 292: Red Gum Swamp - Northern Inland Slopes bioregion

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Rumex conglomeratus</i>	Clustered Dock	high	low
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Rumex crispus</i>	Curled Dock	high	low
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Acetosella vulgaris</i>	Sheep Sorrel	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
SH	<i>Callitriche hamulata</i>	Thread Water-starwort	high	low
LTG	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	high	high
LNG	<i>Holcus lanatus</i>	Yorkshire Fog	high	high
MTG	<i>Paspalum dilatatum</i>	Paspalum	high	high
MNG	<i>Vulpia</i> spp.	Fescue	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 295: Riverine Grassy Woodland

Description:

Occurs on the floodplain of major rivers, in a slightly elevated position where floods are infrequent, on deposited silts and sands, forming fertile alluvial soils. River Red Gum woodland to 20 m tall with a groundlayer dominated by graminoids. Occasional tall shrubs present.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	80 cm	15 / ha

Tree Canopy Cover:

%cover	Character Species	Common Name
20%	<i>Eucalyptus camaldulensis</i>	River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Small Shrub	1	1%	SS
Medium Herb	2	1%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	5	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	20%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		65%	

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia dealbata</i>	Silver Wattle
MH	<i>Sida corrugata</i>	Variable Sida
MH	<i>Oxalis perennans</i>	Grassland Wood-sorrel
SH	<i>Chamaesyce drummondii</i>	Flat Spurge
SH	<i>Azolla filiculoides</i>	Pacific Azolla
LTG	<i>Austrostipa gibbosa</i>	Spurred Spear-grass
LTG	<i>Carex tereticaulis</i>	Hollow Sedge
MTG	<i>Chloris truncata</i>	Windmill Grass
MTG	<i>Themeda triandra</i>	Kangaroo Grass
MTG	<i>Aristida behriana</i>	Brush Wire-grass
MTG	<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
MNG	<i>Pseudoraphis spinescens</i>	Spiny Mud-grass
MNG	<i>Eleocharis acuta</i>	Common Spike-sedge

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
MTG	<i>Lolium rigidum</i>	Wimmera Rye-grass	high	low

EVC 295: Riverine Grassy Woodland – Northern Inland Slopes bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 803: Plains Woodland (*syn. Riverina Plains Grassy Woodland*)

Description:

An open, eucalypt woodland to 15 m tall occurring on a number of geologies and soil types. Occupies fertile clays and clay loam soils on flat or gently undulating plains at low elevations in areas with <600 mm annual rainfall. The understorey consists of a few sparse shrubs over a species-rich grassy and herbaceous ground layer and chenopods are often present.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
<i>Allocasuarina</i> spp.	40 cm	

Tree Canopy Cover:

%cover	Species typical of at least part of EVC range	Common Name
15%	<i>Eucalyptus microcarpa</i>	Grey Box
	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Eucalyptus camaldulensis</i>	River Red Gum
	<i>Eucalyptus albens</i>	White Box
	<i>Allocasuarina luehmannii</i>	Buloke

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	2	1%	MS
Small Shrub	1	1%	SS
Large Herb	1	5%	LH
Medium Herb	11	25%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	15	45%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL

LF Code

Character Species

MS	<i>Acacia montana</i>
MS	<i>Acacia acinacea</i> s.l.
MS	<i>Acacia pycnantha</i>
MS	<i>Pittosporum angustifolium</i>
SS	<i>Pimelea curviflora</i> s.l.
SS	<i>Eutaxia microphylla</i> var. <i>microphylla</i>
SS	<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>
LH	<i>Ajuga australis</i>
LH	<i>Senecio quadridentatus</i>
MH	<i>Calocephalus citreus</i>
MH	<i>Maireana enchylaenoides</i>
MH	<i>Einadia hastata</i>
MH	<i>Einadia nutans</i> ssp. <i>nutans</i>
SH	<i>Crassula sieberiana</i>
SH	<i>Actinobole uliginosum</i>
SH	<i>Oxalis perennans</i>
SH	<i>Calotis hispidula</i>
LTG	<i>Austrostipa aristiglumis</i>
MTG	<i>Austrodanthonia caespitosa</i>
MTG	<i>Dianella revoluta</i> s.l.
MTG	<i>Austrostipa scabra</i>
MTG	<i>Enteropogon acicularis</i>

Common Name

Mallee Wattle
Gold-dust Wattle
Golden Wattle
Weeping Pittosporum
Curved Rice-flower
Common Eutaxia
Ruby Saltbush
Austral Bugle
Cotton Fireweed
Lemon Beauty-heads
Wingless Bluebush
Saloop
Nodding Saltbush
Sieber Crassula
Flannel Cudweed
Grassland Wood-sorrel
Hairy Burr-daisy
Plump Spear-grass
Common Wallaby-grass
Black-anther Flax-lily
Rough Spear-grass
Spider Grass

EVC 803: Plains Woodland (*syn. Riverina Plains Grassy Woodland*) – Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

10 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Lycium ferocissimum</i>	Boxthorn	low	high
LH	<i>Brassica tournefortii</i>	Mediterranean Turnip	high	high
LH	<i>Sonchus oleraceus</i>	Common Sow-thistle	high	low
LH	<i>Opuntia</i> spp	Prickly Pear	low	high
MH	<i>Gazania linearis</i>	Gazania	high	high
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MH	<i>Silene apetala</i> var. <i>apetala</i>	Sand Catchfly	high	low
MH	<i>Silene longicaulis</i>	Portuguese Catchfly	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Arctotheca calendula</i>	Cape Weed	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Trifolium dubium</i>	Suckling Clover	high	low
SH	<i>Trifolium glomeratum</i>	Cluster Clover	low	low
SH	<i>Medicago minima</i>	Little Medic	high	low
LTG	<i>Phalaris aquatica</i>	Toowoomba Canary-grass	high	high
MTG	<i>Lolium rigidum</i>	Wimmera Rye-grass	low	low
MTG	<i>Schismus barbatus</i>	Arabian Grass	high	low
MTG	<i>Poa bulbosa</i>	Bulbous Meadow-grass	high	high
MTG	<i>Pentaschistis airoides</i> subsp. <i>airoides</i>	False Hair-grass	high	high
MTG	<i>Romulea rosea</i>	Onion Grass	high	high
MNG	<i>Bromus rubens</i>	Red Brome	high	high
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	low
MNG	<i>Romulea rosea</i>	Onion Grass	high	low
MNG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MNG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MNG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	low
SC	<i>Asparagus asparagoides</i>	Bridal Creeper	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 815: Riverine Swampy Woodland

Description:

Eucalypt woodland to 15 m tall above a grassy to sedgy – herbaceous ground layer, with species indicative of periodic water-logging. Occupies areas subject to shallow inundation only from higher-level flooding on riverine flood plain. Soils are typically heavy, cracking mottled grey-brown clays/clay-loams and water-retentive, often with a gilgai profile which can be wet during winter.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus camaldulensis</i>	70 cm	15 / ha
<i>Eucalyptus largiflorens</i>	50 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
20%	<i>Eucalyptus camaldulensis</i>	River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Large Herb	2	5%	LH
Medium Herb	3	10%	MH
Small or Prostrate Herb	1	5%	SH
Large Tufted Graminoid	3	10%	LTG
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	3	20%	MNG
Total understorey projective foliage cover		65%	

LF Code	Species typical of at least part of EVC range	Common Name
LH	<i>Wahlenbergia fluminalis</i>	River Bluebell
LH	<i>Brachyscome basaltica</i> var. <i>gracilis</i>	Woodland Swamp-daisy
MH	<i>Marsilea drummondii</i>	Common Nardoo
SH	<i>Lobelia concolor</i>	Poison Pratia
LTG	<i>Amphibromus nervosus</i>	Common Swamp Wallaby-grass
LTG	<i>Carex tereticaulis</i>	Rush Sedge
MTG	<i>Austrodanthonia duttoniana</i>	Brown-back Wallaby-grass
MNG	<i>Eleocharis acuta</i>	Common Spike-sedge
MNG	<i>Eleocharis pusilla</i>	Small Spike-sedge

Recruitment:

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

Organic Litter:

10% cover

Logs:

10 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Cirsium vulgare</i>	Spear Thistle	high	high
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
LNG	<i>Avena fatua</i>	Wild Oat	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MTG	<i>Critetion hystrix</i>	Mediterranean Barley-grass	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low

EVC 815: Riverine Swampy Woodland – Northern Inland Slopes bioregion

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 823: Lignum Swampy Woodland

Description:

Understorey dominated by Lignum, typically of robust character and relatively dense (at least in patches), in association with a low Eucalypt and/or Acacia woodland to 15 m tall. The ground layer includes a component of obligate wetland flora that is able to persist even if dormant over dry periods.

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus largiflorens</i>	50cm	15/ha
<i>Eucalyptus camaldulensis</i>	70cm	

Tree Canopy Cover:

% cover	Character Species	Common Name
20%	<i>Eucalyptus largiflorens</i>	Black Box
	<i>Eucalyptus camaldulensis</i>	River Red Gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	2	30%	MS
Small Shrub	1	5%	SS
Large Herb	2	1%	LH
Medium Herb*	8	10%	MH
Small or Prostrate Herb*	4	10%	SH
Medium to Small Tufted Graminoid*	2	5%	MTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Tiny Non-tufted Graminoid	3	15%	MNG
Soil Crust	na	10%	S/C

* Largely seasonal life form

Total understorey projective foliage cover **70%**

LF Code	Species typical of at least part of EVC range	Common Name
MS	<i>Muehlenbeckia florulenta</i>	Tangled Lignum
MS	<i>Chenopodium nitriaceum</i>	Nitre Goosefoot
SS	<i>Sclerolaena muricata</i>	Five-spined Bassia
LH	<i>Rumex</i> spp.	Dock
MH	<i>Marsilea drummondii</i>	Common Nardoo
MH	<i>Brachyscome ciliaris</i>	Variable Daisy
MH	<i>Euchiton sphaericus</i>	Annual Cudweed
MH	<i>Ranunculus</i> spp.	Buttercup
MTG	<i>Setaria jubiflora</i>	Warrego Summer-grass
MTG	<i>Austrodanthonia duttoniana</i>	Brown-back Wallaby-grass
LNG	<i>Eragrostis australasica</i>	Cane Grass
MNG	<i>Eragrostis infecunda</i>	Barren Cane grass
MNG	<i>Eleocharis acuta</i>	Common Spike-sedge
MNG	<i>Eleocharis pusilla</i>	Small Spike-sedge

EVC 823: Lignum Swampy Woodland – Northern Inland Slopes bioregion

Recruitment:
Continuous

Organic Litter:
10 % cover

Logs:
10m/0.1 ha.

Weediness:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
SH	<i>Phyla canescens</i>	Lippia	high	high

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 826: Plains Savannah

Description:

A structurally diverse vegetation unit which includes 'grassy openings' of a few to many hundreds of hectares, with a variable tree density ranging from a very sparse savannah to woodland. The relative absence of eucalypts is particularly characteristic, with *Allocasuarina luehmannii* and perhaps *Callitris gracilis* subsp. *murrayensis* to 10 m tall being the dominant trees. Widespread on the northern plains.

+ woodland only components (ignore when assessing grassland areas and standardise final score as appropriate)

Large trees⁺:

Species	DBH(cm)	# /ha
<i>Allocasuarina luehmannii</i>	40 cm	5/ha
<i>Callitris gracilis</i> ssp. <i>murrayensis</i>		

Tree Canopy Cover⁺:

% cover	Character Species	Common Name
10%	<i>Allocasuarina luehmannii</i>	Buloke
	<i>Callitris gracilis</i> ssp. <i>murrayensis</i>	Slender Cypress-pine

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree ⁺		5%	IT
Small Shrub	2	5%	SS
Large Herb	3	5%	LH
Medium Herb*	6	20%	MH
Small or Prostrate Herb*	3	10%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	5	35%	MTG
Medium to Tiny Non-tufted Graminoid*	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	25%	S/C

* Largely seasonal life form

LF Code	Species typical of at least part of EVC range	Common Name
T	<i>Acacia pendula</i>	Boree
MS	<i>Acacia oswaldii</i>	Umbrella Wattle
SS	<i>Sclerolaena napiiformis</i>	Turnip Copperburr
SS	<i>Sclerolaena diacantha</i>	Grey Copperburr
SS	<i>Maireana decalvans</i>	Black Cotton-bush
SS	<i>Pimelea curviflora</i> s.s.	Curved Rice-flower
LH	<i>Ptilotus exaltatus</i>	Mulla Mulla
LH	<i>Eryngium ovium</i>	Blue Devil
LH	<i>Calocephalus citreus</i>	Lemon Beauty-heads
LH	<i>Arthropodium fimbriatum</i>	Nodding Chocolate-lily
MH	<i>Calotis scabrosifolia</i>	Rough Burr-daisy
MH	<i>Goodenia pinnatifida</i>	Cut-leaf Goodenia
MH	<i>Sida corrugata</i>	Variable Sida
MH	<i>Ptilotus macrocephalus</i>	Feather Heads
SH	<i>Maireana pentagona</i>	Hairy Bluebush
SH	<i>Chamaesyce drummondii</i>	Flat Spurge
SH	<i>Pogonolepis muelleriana</i>	Stiff Cup-flower
SH	<i>Convolvulus erubescens</i> spp. agg.	Pink Bindweed
LTG	<i>Austrostipa blackii</i>	Crested Spear-grass
LTG	<i>Austrostipa gibbosa</i>	Spurred Spear-grass
LTG	<i>Austrostipa aristiglumis</i>	Plump Spear-grass
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
MTG	<i>Austrostipa nodosa</i>	Knotty Spear-grass
MTG	<i>Whalleya proluta</i>	Rigid Panic
MTG	<i>Austrodanthonia duttoniana</i>	Brown-back Wallaby-grass

EVC 826: Plains Savannah – Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

5% cover

Logs⁺:

5 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Lycium ferocissimum</i>	Boxthorn	high	high
LH	<i>Helminthotheca echioides</i>	Ox-tongue	high	low
LH	<i>Lepidium africanum</i>	Common Peppergrass	high	low
LH	<i>Salvia verbenaca</i>	Wild Sage	high	high
LH	<i>Echium plantagineum</i>	Patterson's curse	high	high
LH	<i>Sisymbrium irio</i>	London Rocket	high	high
LH	<i>Marrubium vulgare</i>	Horehound	high	high
LNG	<i>Avena fatua</i>	Wild Oat	high	high
MH	<i>Limonium sinuatum</i>	Notch-leaf Sea-lavender	high	high
MH	<i>Arctotheca calendula</i>	Cape Weed	high	high
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Oxalis pes-caprae</i>	Sour sob	high	high
MH	<i>Plantago coronopus</i>	Buck's-horn Plantain	high	high
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	high
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	high
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	high
MH	<i>Trifolium striatum</i>	Knotted Clover	high	low
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Hedypnois cretica</i>	Cretan Hedypnois	high	high
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low
MNG	<i>Avena barbata</i>	Bearded Oat	high	high
MNG	<i>Brachypodium distachyon</i>	False Brome	high	high
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	high
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	high
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	high
MTG	<i>Bromus diandrus</i>	Great Brome	high	high
MTG	<i>Critetion hystrix</i>	Mediterranean Barley-grass	high	high
MTG	<i>Critetion murinum</i>	Barley-grass	high	high
MTG	<i>Lolium rigidum</i>	Wimmera Rye-grass	high	high
MTG	<i>Pentstemonis airoides</i> ssp. <i>airoides</i>	False Hair-grass	high	low
MTG	<i>Poa bulbosa</i>	Bulbous Meadow-grass	high	high
MTG	<i>Romulea minutiflora</i>	Small-flower Onion-grass	high	high
MTG	<i>Romulea rosea</i>	Onion Grass	high	high
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	high
SH	<i>Medicago minima</i>	Little Medic	high	high
SH	<i>Medicago polymorpha</i>	Burr Medic	high	high
SH	<i>Trifolium glomeratum</i>	Cluster Clover	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes Bioregion

EVC 826_61: Treed Plains Savannah

Description:

A structurally diverse vegetation unit which includes 'grassy openings' of a few to many hundreds of hectares, with a variable tree density ranging from a very sparse savannah to woodland. The relative absence of eucalypts is particularly characteristic, with *Allocasuarina luehmannii* and perhaps *Callitris gracilis* subsp. *murrayensis* to 10 m tall being the dominant trees. Widespread on the northern plains.

Large Trees:

Species	DBH(cm)	#/ha
<i>Allocasuarina luehmannii</i>	40 cm	5 / ha
<i>Callitris gracilis</i> subsp. <i>murrayensis</i>	0 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
10%	<i>Allocasuarina luehmannii</i>	Buloke
	<i>Callitris gracilis</i> subsp. <i>murrayensis</i>	Slender Cypress-pine

Understorey:

Lifeform	#Spp	%Cover	LF Code
Immature Canopy Tree		5%	IT
Small Shrub	2	5%	SS
Large Herb	3	5%	LH
Medium Herb*	6	20%	MH
Small or Prostrate Herb*	3	10%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-Tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	5	35%	MTG
Medium to Tiny Non-Tufted Graminoid*	2	5%	MNG
Bryophytes/Lichens		10%	BL
Soil Crust		25%	S/C

*Largely seasonal lifeform

EVC 826_61: Treed Plains Savannah

LF Code	Species typical of at least part of EVC range	Common Name
SS	<i>Maireana decalvans</i>	Black Cotton-bush
SS	<i>Pimelea curviflora</i> s.s.	Curved Rice-flower
SS	<i>Sclerolaena diacantha</i>	Grey Copperburr
SS	E e <i>Sclerolaena napiformis</i>	Turnip Copperburr
LH	<i>Arthropodium fimbriatum</i>	Nodding Chocolate-lily
LH	<i>Calocephalus citreus</i>	Lemon Beauty-heads
LH	<i>Eryngium ovinum</i>	Blue Devil
LH	<i>Ptilotus exaltatus</i>	Mulla Mulla
MH	<i>Calotis scabiosifolia</i>	Rough Burr-daisy
MH	<i>Goodenia pinnatifida</i>	Cut-leaf Goodenia
MH	<i>Ptilotus macrocephalus</i>	Feather Heads
MH	<i>Sida corrugata</i>	Variable Sida
SH	<i>Chamaesyce drummondii</i>	Flat Spurge
SH	<i>Convolvulus erubescens</i> spp. agg.	Pink Bindweed
SH	<i>Maireana pentagona</i>	Hairy Bluebush
SH	<i>Pogonolepis muelleriana</i>	Stiff Cup-flower
LTG	<i>Austrostipa aristiglumis</i>	Plump Spear-grass
LTG	<i>Austrostipa blackii</i>	Crested Spear-grass
LTG	<i>Austrostipa gibbosa</i>	Spurred Spear-grass
LNG	<i>Various spp.</i>	
MTG	<i>Austrodanthonia duttoniana</i>	Brown-back Wallaby-grass
MTG	<i>Austrostipa nodosa</i>	Knotty Spear-grass
MTG	<i>Austrostipa scabra</i>	Rough Spear-grass
MTG	<i>Whalleya prolata</i>	Rigid Panic
MNG	<i>Various spp.</i>	

Recruitment:

Continuous.

Organic Litter:

5 % cover

Logs:

5 m/0.1ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	<i>Lycium ferocissimum</i>	African Box-thorn	high	high
MNG	<i>Vulpia myuros</i>	Rat's-tail Fescue	high	high
LH	<i>Echium plantagineum</i>	Paterson's Curse	high	high
LH	<i>Sisymbrium irio</i>	London Rocket	high	high
LNG	<i>Avena fatua</i>	Wild Oat	high	high
MH	<i>Arctotheca calendula</i>	Cape Weed	high	high
MH	<i>Limonium sinuatum</i>	Notch-leaf Sea-lavender	high	high
LH	<i>Marrubium vulgare</i>	Horehound	high	high
MH	<i>Oxalis pes-caprae</i>	Soursob	high	high
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	high
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	high
MH	<i>Hedypnois cretica</i>	Cretan Hedypnois	high	high
MNG	<i>Avena barbata</i>	Bearded Oat	high	high
MTG	<i>Romulea minutiflora</i>	Small-flower Onion-grass	high	high
MTG	<i>Poa bulbosa</i>	Bulbous Meadow-grass	high	high
MTG	<i>Lolium rigidum</i>	Wimmera Rye-grass	high	high
MNG	<i>Vulpia muralis</i>	Wall Fescue	high	high
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	high
SH	<i>Medicago polymorpha</i>	Burr Medic	high	high
SH	<i>Medicago minima</i>	Little Medic	high	high

EVC 826_61: Treed Plains Savannah

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	high
MTG	<i>Romulea rosea</i>	Onion Grass	high	high
MNG	<i>Brachypodium distachyon</i>	False Brome	high	high
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	high
MH	<i>Plantago coronopus</i>	Buck's-horn Plantain	high	high
MTG	<i>Hordeum hystrix</i>	Mediterranean Barley-grass	high	high
MTG	<i>Bromus diandrus</i>	Great Brome	high	high
LH	<i>Salvia verbenaca</i>	Wild Sage	high	high
MTG	<i>Hordeum murinum</i> s.l.	Barley-grass	high	high
MH	<i>Trifolium subterraneum</i>	Subterranean Clover	high	low
MH	<i>Trifolium striatum</i>	Knotted Clover	high	low
LH	<i>Helminthotheca echioides</i>	Ox-tongue	high	low
MH	<i>Spergularia rubra</i> s.l.	Red Sand-spurrey	high	low
MTG	<i>Pentaschistis airoides</i> subsp. <i>airoides</i>	False Hair-grass	high	low
LH	<i>Lepidium africanum</i>	Common Peppergrass	high	low
SH	<i>Trifolium glomeratum</i>	Cluster Clover	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MNG	<i>Aira cupaniana</i>	Quicksilver Grass	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment

Northern Inland Slopes bioregion

EVC 882: Shallow Sands Woodland

Description:

Woodland or open-forest to 15 m tall, with a sparse shrub layer of heathy, ericoid shrubs and a species-rich ground cover dominated by grasses and annual herbs. Typically it occurs between the heavier soils of the plains and the deep-sand aeolian dunefields which overlay these plains, but also occurs on broader areas of plains covered by shallow fluvial, outwash or aeolian sands overlaying drainage-impeding clays.

Large trees:

Species	DBH(cm)	# / ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
<i>Allocasuarina luehmannii</i>	40 cm	
<i>Callitris glaucophylla</i>	40 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	<i>Eucalyptus melliodora</i>	Yellow Box
	<i>Allocasuarina luehmannii</i>	Buloke
	<i>Callitris glaucophylla</i>	White Cypress-pine

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	4	15%	MS
Small Shrub	3	10%	SS
Prostrate Shrub	1	5%	PS
Medium Herb	10	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	13	30%	MTG
Medium to Tiny Non-tufted Graminoid	3	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

T	<i>Exocarpos cupressiformis</i>	Cherry Ballart
MS	<i>Acacia montana</i>	Mallee Wattle
MS	<i>Acacia pycnantha</i>	Golden Wattle
MS	<i>Acacia verniciflua</i>	Varnish Wattle
MS	<i>Bursaria spinosa</i> ssp. <i>spinosa</i>	Sweet Bursaria
SS	<i>Pimelea curviflora</i> s.s.	Curved Rice-flower
SS	<i>Eutaxia microphylla</i>	Common Eutaxia
SS	<i>Enchylaena tomentosa</i> var. <i>tomentosa</i>	Ruby Saltbush
PS	<i>Astroloma humifusum</i>	Cranberry Heath
MH	<i>Wahlenbergia luteola</i>	Yellowish Bluebell
MH	<i>Acaena echinata</i>	Sheep's Burr
SH	<i>Daucus glochidiatus</i>	Australian Carrot
SH	<i>Drosera whittakeri</i> ssp. <i>aberrans</i>	Scented Sundew
LTG	<i>Dichelachne crinita</i>	Long-hair Plume-grass
MTG	<i>Austrodanthonia geniculata</i>	Kneed Wallaby-grass
MTG	<i>Austrodanthonia setacea</i>	Bristly Wallaby-grass
MTG	<i>Schoenus apogon</i>	Common Bog-sedge
MTG	<i>Lomandra multiflora</i> ssp. <i>multiflora</i>	Many-flowered Mat-rush
TTG	<i>Centrolepis strigosa</i> ssp. <i>strigosa</i>	Hairy Centrolepis
SC	<i>Thysanotus patersonii</i>	Twining Fringe-lily

EVC 882: Shallow Sands Woodland – Northern Inland Slopes bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	<i>Centaurium tenuiflorum</i>	Slender Centaury	high	low
MH	<i>Hypochoeris radicata</i>	Cat's Ear	high	low
MH	<i>Hypochoeris glabra</i>	Smooth Cat's-ear	high	low
MH	<i>Trifolium campestre</i> var. <i>campestre</i>	Hop Clover	high	low
MH	<i>Trifolium angustifolium</i> var. <i>angustifolium</i>	Narrow-leaf Clover	high	low
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	<i>Petrorhagia velutina</i>	Velvety Pink	high	low
MTG	<i>Briza minor</i>	Lesser Quaking-grass	high	low
MTG	<i>Briza maxima</i>	Large Quaking-grass	high	low
MTG	<i>Romulea rosea</i>	Onion Grass	high	low
MTG	<i>Vulpia bromoides</i>	Squirrel-tail Fescue	high	low
MNG	<i>Aira elegantissima</i>	Delicate Hair-grass	high	low
MNG	<i>Vulpia myuros</i> f. <i>myuros</i>	Rat's-tail Fescue	high	low
MNG	<i>Juncus capitatus</i>	Capitate Rush	high	low
MNG	<i>Bromus rubens</i>	Red Brome	high	low

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