

EVC 3: Damp Sands Herb-rich Woodland

Description:

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus ovataSwamp GumEucalyptus viminalisManna Gum

Life form	#Spp	%Cover	LF code	
Immature Canopy Tree		5%	IT	
Understorey Tree or Large Shrub	1	10%	T	
Medium Shrub	3	10%	MS	
Small Shrub	3	5%	SS	
Medium Herb	12	20%	MH	
Small or Prostrate Herb	7	15%	SH	
Large Tufted Graminoid	1	10%	LTG	
Medium to Small Tufted Graminoid	10	15%	MTG	
Medium to Tiny Non-tufted Graminoid	2	10%	MNG	
Ground Fern	1	10%	GF	
Bryophytes/Lichens	na	10%	BL	

LF Code	Species typical of at least part of EVC range	Common Name
Т	Acacia mearnsii	Black Wattle
MS	Bursaria spinosa	Sweet Bursaria
MS	Acacia verticillata	Prickly Moses
MS	Ozothamnus ferrugineus	Tree Everlasting
MS	Leptospermum continentale	Prickly Tea-tree
SS	Pimelea humilis	Common Rice-flower
SS	Lissanthe strigosa ssp. subulata	Peach Heath
SS	Hibbertia riparia	Erect Guinea-flower
MH	Geranium solanderi	Austral Cranesbill
MH	Drosera peltata ssp. auriculata	Tall Sundew
MH	Hydrocotyle foveolata	Yellow Pennywort
MH	Acaena novae-zelandiae	Bidgee-widgee
SH	Drosera whittakeri ssp. aberrans	Scented Sundew
SH	Oxalis exilis	Shady Wood-sorrel
SH	Viola cleistogamoides	Hidden Violet
SH	Opercularia ovata	Broad-leaf Stinkweed
LTG	Austrostipa rudis ssp. nervosa	Veined Spear-grass
LTG	Juncus pallidus	Pale Rush
MTG	<i>Poa sieberiana</i> var. <i>sieberiana</i>	Grey Tussock-grass
MTG	Lomandra filiformis ssp. coriacea	Wattle Mat-rush
MTG	Austrodanthonia racemosa var. racemosa	Stiped Wallaby-grass
MTG	Lomandra filiformis	Wattle Mat-rush
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Pteridium esculentum	Austral Bracken



EVC 3: Damp Sands Herb-rich Woodland Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

15 m/0.1 ha.

Weediness:

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	LF Code	Typical Weed Species	Common Name	Invasive	Impact
	T	Pinus radiata	Radiata Pine	high	high
	MH	Leontodon taraxacoides ssp. taraxacoides	Hairy Hawkbit	high	low
	MH	Hypochoeris radicata	Cat's Ear	high	low
	LNG	Holcus lanatus	Yorkshire Fog	high	high
	MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
	MTG	Juncus microcephalus	Tiny-headed Rush	high	low
	MTG	Briza maxima	Large Quaking-grass	high	low
	MNG	Aira caryophyllea	Silvery Hair-grass	high	low

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EVC 7: Clay Heathland

Description:

Occurs on sites with impeded drainage, often on duplex soils. Dominated by heathy shrub species with or without an eucalypt overstorey. The ground layer is dense and diverse with a variety of landforms.

Large trees+:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 40 cm
 10 / ha

Tree Canopy Cover+:

%coverCharacter SpeciesCommon Name10%Eucalyptus divesBroad-leaved PeppermintEucalyptus macrorhynchaRed StringybarkEucalyptus manniferaBrittle Gum

Life form	#Spp	%Cover	LF code
Medium Shrub	9	30%	MS
Small Shrub	6	10%	SS
Prostrate Shrub	3	5%	PS
Large Herb	2	1%	LH
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
Total understorey projective foliage cover		75%	



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

EVC 7: Clay Heathland Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
MS	Epacris impressa	Common Heath
MS	Leptospermum continentale	Prickly Tea-tree
MS	Banksia marginata	Silver Banksia
MS	Cassinia longifolia	Shiny Cassinia
SS	Kunzea parvifolia	Violet Kunzea
SS	Pimelea humilis	Common Rice-flower
SS	Gompholobium huegelii	Common Wedge-pea
SS	Dillwynia phyllicoides	Small-leaf Parrot-pea
PS	Acrotriche serrulata	Honey-pots
PS	Bossiaea prostrata	Creeping Bossiaea
PS	Pultenaea procumbens	Heathy Bush-pea
PS	Boronia nana	Dwarf Boronia
MH	Lagenophora gracilis	Slender Bottle-daisy
MH	Gonocarpus tetragynus	Common Raspwort
MH	Hypericum gramineum	Small St John's Wort
MH	Viola betonicifolia ssp. betonicifolia	Showy Violet
SH	Mitrasacme serpyllifolia	Thyme Mitrewort
LTG	Deyeuxia quadriseta	Reed Bent-grass
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Schoenus apogon	Common Bog-sedge
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Lepidosperma laterale	Variable Sword-sedge
MTG	Themeda triandra	Kangaroo Grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Caustis flexuosa	Curly Wig
MNG	Echinopogon ovatus	Common Hedgehog-grass

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	Hypochoeris radicata	Cat's Ear	high	low

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EVC 16: Lowland Forest

Description:

Eucalypt forest to 25 m tall on relatively fertile, moderately well-drained soils in areas of relatively high rainfall. Characterised by the diversity of life forms and species in the understorey including a range of shrubs, grasses and herbs.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus obliquaMessmate StringybarkEucalyptus radiata s.l.Narrow-leaf Peppermint

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



EVC 16: Lowland Forest Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
Т	Pomaderris aspera	Hazel Pomaderris
T	Acacia dealbata	Silver Wattle
MS	Goodenia ovata	Hop Goodenia
MS	Acacia verticillata	Prickly Moses
MS	Pimelea axiflora	Bootlace Bush
MS	Olearia phlogopappa	Dusty Daisy-bush
SS	Tetratheca ciliata	Pink-bells
SS	Lomatia ilicifolia	Holly Lomatia
SS	Hovea heterophylla	Common Hovea
SS	Rubus parvifolius	Small-leaf Bramble
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Stackhousia monogyna	Creamy Stackhousia
MH	Geranium potentilloides	Cinquefoil Cranesbill
SH	Leptostigma reptans	Dwarf Nertera
SH	Oxalis exilis	Shady Wood-sorrel
SH	<i>Asperula euryphylla</i> var. <i>euryphylla</i>	Broad-leaf Woodruff
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Poa ensiformis	Sword Tussock-grass
MTG	<i>Dianella caerulea</i> var. <i>caerulea</i>	Paroo Lily
MTG	Lepidosperma laterale	Variable Sword-sedge
MNG	Poa tenera	Slender Tussock-grass
GF	Pteridium esculentum	Austral Bracken
GF	Calochlaena dubia	Common Ground-fern
GF	Lindsaea linearis	Screw Fern
SC	Cassytha pubescens s.s.	Downy Dodder-laurel
SC	Clematis aristata	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

40 % cover

20 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name Invasive Impact** Hypochoeris radicata high low

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EVC 18: Riparian Forest

Description:

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus viminalisManna Gum

Jiidei Stoi e y i			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	4	20%	T
Medium Shrub	7	15%	MS
Small Shrub	1	1%	SS
Large Herb	2	1%	LH
Medium Herb	10	15%	MH
Small or Prostrate Herb	3	1%	SH
Large Tufted Graminoid	4	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	3	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	1%	MNG
Ground Fern	5	25%	GF
Tree Fern	2	10%	TRF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL



EVC 18: Riparian Forest Highlands - Northern Fall Bioregion

LF Code	Species typical of at least part of EVC range	Common Name
Т	Acacia melanoxylon	Blackwood
Т	Pomaderris aspera	Hazel Pomaderris
Т	Acacia dealbata	Silver Wattle
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Cassinia aculeata	Common Cassinia
MS	Prostanthera lasianthos	Victorian Christmas-bush
MS	Olearia phlogopappa	Dusty Daisy-bush
LH	Mentha laxiflora	Forest Mint
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Geranium potentilloides	Cinquefoil Cranesbill
SH	Hydrocotyle hirta	Hairy Pennywort
SH	Dichondra repens	Kidney-weed
SH	Galium propinquum	Maori Bedstraw
LTG	Carex appressa	Tall Sedge
LTG	Poa labillardierei	Common Tussock-grass
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Poa tenera	Slender Tussock-grass
GF	Blechnum nudum	Fishbone Water-fern
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Adiantum aethiopicum	Common Maidenhair
TRF	Dicksonia antarctica	Soft Tree-fern
TRF	Cyathea australis	Rough Tree-fern
SC	Clematis aristata	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	high

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EVC 19: Riparian Shrubland

Description:

Diverse, 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. 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
40%	Acacia melanoxylon	Blackwood
	Leptospermum grandifolium	Mountain Tea-tree

Understorey:

Life form	#Spp	%Cover	LF code
Medium Shrub	9	20%	MS
Medium Herb	2	5%	MH
Large Tufted Graminoid	1	10%	LTG
Medium to Small Tufted Graminoid	4	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	4	10%	GF
Tree Fern	2	1%	TRF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL
Total understorey projective foliage cover		65%	

I F Code	Species typical of at least part of FVC range

	- p	
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Hedycarya angustifolia	Austral Mulberry
MS	Kunzea ericoides	Burgan
MS	Micrantheum hexandrum	Box Micrantheum
MH	Euchiton collinus s.l.	Clustered/Creeping Cudweed
LTG	Carex appressa	Tall Sedge
MTG	Lepidosperma laterale	Variable Sword-sedge
MTG	Poa ensiformis	Sword Tussock-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Calochlaena dubia	Common Ground-fern
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Blechnum minus	Soft Water-fern
TRF	Todea barbara	Austral King-fern
TRF	Dicksonia antarctica	Soft Tree-fern
SC	Pandorea pandorana	Wonga Vine

Common Name

Recruitment:

Continuous

Organic Litter:

40 % 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	Rubus fruticosus spp. agg.	Blackberry	high	high



EVC 19: Riparian Shrubland Highlands – Northern Fall bioregion

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Description:

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 overstorey is a low, open eucalypt forest, poor in form to 20 m tall with an open crown cover. 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
Eucalyptus spp. 60 cm 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus divesBroad-leaved PeppermintEucalyptus mannifera ssp. manniferaBrittle GumEucalyptus radiata s.l.Narrow-leaf Peppermint

Jiidei Storey.			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	8	20%	MS
Small Shrub	4	10%	SS
Prostrate Shrub	2	5%	PS
Large Herb	2	1%	LH
Medium Herb	5	5%	MH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	6	10%	MTG
Ground Fern	1	1%	GF
Scrambler or Climber	1	5%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		70 %	



EVC 20: Heathy Dry Forest Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
Т	Acacia dealbata	Silver Wattle
MS	Monotoca scoparia	Prickly Broom-heath
MS	Daviesia ulicifolia	Gorse Bitter-pea
MS	Daviesia leptophylla	Narrow-leaf Bitter-pea
MS	Persoonia confertiflora	Cluster-flower Geebung
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Dillwynia phylicoides	Small-leaf Parrot-pea
SS	Tetratheca bauerifolia	Heath Pink-bells
SS	Hovea heterophylla	Common Hovea
PS	Platylobium formosum	Handsome Flat-pea
PS	Persoonia chamaepeuce	Dwarf Geebung
PS	Acrotriche serrulata	Honey-pots
LH	Senecio tenuiflorus	Slender Fireweed
MH	Gonocarpus tetragynus	Common Raspwort
MH	Poranthera microphylla	Small Poranthera
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
LTG	Lomandra longifolia	Spiny-headed Mat-rush
MTG	Joycea pallida	Silvertop Wallaby-grass
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
GF	Pteridium esculentum	Austral Bracken
SC	Cassytha pubescens s.s.	Downy Dodder-laurel
SC	Hardenbergia violacea	Purple Coral-pea

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 Hypochoeris radicata Cat's Ear high

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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 a low, 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

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus dives
Eucalyptus mannifera ssp. manniferaBroad-leaved Peppermint
Brittle Gum

Jilderstorey:			
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 Highlands - Northern Fall bioregion

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

Recruitment:

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

Organic Litter:

20 % cover

20 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name** Invasive **Impact** Hypochoeris radicata high low

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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
Eucalyptus spp. 60 cm 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus divesBroad-leaved PeppermintEucalyptus macrorhyncha
Eucalyptus goniocalyx s.l.Red StringybarkBundy

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
Prostrate Shrub	2	1%	PS
Large Herb	4	5%	LH
Medium Herb	12	25%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	8	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	1%	MNG
Ground Fern	2	5%	GF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C



EVC 22: Grassy Dry Forest Highlands – Northern Fall bioregion

LF Code T MS MS SS SS SS PS PS LH LH LH MH	Species typical of at least part of EVC range Acacia dealbata Cassinia aculeata Cassinia longifolia Pimelea linifolia Hibbertia obtusifolia Hovea heterophylla Acrotriche serrulata Platylobium formosum Wahlenbergia stricta Senecio tenuiflorus Senecio quadridentatus Epilobium platylenum Hypericum gramineum	Common Name Silver Wattle Common Cassinia Shiny Cassinia Slender Rice-flower Grey Guinea-flower Common Hovea Honey-pots Handsome Flat-pea Tall Bluebell Slender Fireweed Cotton Fireweed Variable Willow-herb Small St John's Wort
MH	Hypericum gramineum	Small St John's Wort
MH	Gonocarpus tetragynus	Common Raspwort
SH	Poranthera microphylla	Small Poranthera
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Dichondra repens	Kidney-weed Austral Bear's-ear
SH MTG	Cymbonotus preissianus	=
MTG	Joycea pallida Poa sieberiana	Silvertop Wallaby-grass Grey Tussock-grass
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Echinopogon ovatus	Common Hedgehog-grass
GF	Cheilanthes austrotenuifolia	Green Rock-fern
GF	Pteridium esculentum	Austral Bracken
SC	Hardenbergia violacea	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
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MH	Trifolium arvense var. arvense	Hare's-foot Clover	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MNG	Holcus lanatus	Yorkshire Fog	high	high
MNG	Aira elegantissima	Delicate Hair-grass	high	low

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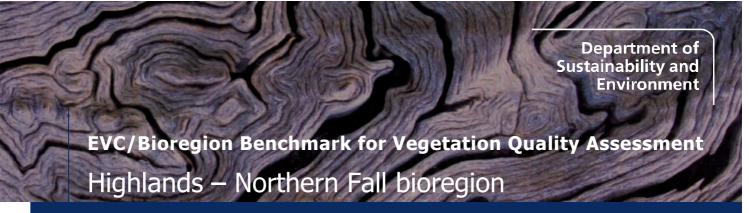
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EVC 23: Herb-rich Foothill Forest

Description:

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. A medium to tall open forest or woodland to 25 m tall with a small tree layer over a sparse to dense shrub layer. A high cover and diversity of herbs and grasses in the ground layer characterise this EVC.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus divesBroad-leaved PeppermintEucalyptus obliquaMessmate Stringybark

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	7	15%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	2	5%	PS
Large Herb	3	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	6	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	2	10%	GF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL



EVC 23: Herb-rich Foothill Forest Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
MS	Cassinia aculeata	Common Cassinia
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Coprosma hirtella	Rough Coprosma
MS	Epacris impressa	Common Heath
SS	Tetratheca ciliata	Pink-bells
SS	Olearia erubescens	Moth Daisy-bush
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Hovea heterophylla	Common Hovea
PS	Platylobium formosum	Handsome Flat-pea
PS	Acrotriche serrulata	Honey-pots
PS	Acrotriche prostrata	Trailing Ground-berry
LH	Senecio tenuiflorus	Slender Fireweed
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Gonocarpus tetragynus	Common Raspwort
MH	Lagenophora stipitata	Common Bottle-daisy
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Dichondra repens	Kidney-weed
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Luzula meridionalis var. flaccida	Common Woodrush
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
SC	Clematis aristata	Mountain Clematis
SC	Glycine clandestina	Twining Glycine
SC	Hardenbergia violacea	Purple Coral-pea

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low

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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 Herbland.

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%	

Total understorey projective foliage cover

LF Code	Character Species	Common Name
MS	Monotoca scoparia	Prickly Broom-heath
MS	Hovea pannosa s.l.	Mountain Beauty
MS	Brachyloma daphnoides	Daphne Heath
MS	Persoonia confertiflora	Cluster-flower Geebung
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Dillwynia phylicoides	Small-leaf Parrot-pea
SS	Rhytidosporum procumbens	White Marianth
SS	Acacia gunnii	Ploughshare Wattle
PS	Platylobium formosum	Handsome Flat-pea
PS	Persoonia chamaepeuce	Dwarf Geebung
LH	Senecio tenuiflorus	Slender Fireweed
LH	Derwentia perfoliata	Digger's Speedwell
LH	Wahlenbergia multicaulis	Branching Bluebell
LH	Chrysocephalum semipapposum	Clustered Everlasting
MH	Stellaria pungens	Prickly Starwort
MH	Helichrysum scorpioides	Button Everlasting
MH	Gonocarpus tetragynus	Common Raspwort
MH	Diuris sulphurea	Tiger Orchid
SH	Crassula sieberiana	Sieber Crassula
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Austrodanthonia induta	Shiny Wallaby-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Poa labillardierei	Common Tussock-grass
MTG	Joycea pallida	Silvertop Wallaby-grass
MTG	Lepidosperma laterale	Variable Sword-sedge
GF	Cheilanthes sieberi ssp. sieberi	Narrow Rock-fern
GF	Asplenium flabellifolium	Necklace Fern

Recruitment:

Continuous

Organic Litter:

40 % cover



EVC 28: Rocky Outcrop Shrubland Highlands – Northern Fall bioregion

Weediness:

LF Code Common Name Impact Typical Weed Species Invasive Hypochoeris radicata Cat's Ear high low MNG Rat's-tail Fescue Vulpia myuros high low

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Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 90 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus obliquaMessmate StringybarkEucalyptus radiata s.l.Small-leaved Peppermint

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	5	30%	T
Medium Shrub	6	15%	MS
Large Herb	2	1%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	3	15%	GF
Tree Fern	1	5%	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 -	Pomaderris aspera	Hazel Pomaderris
<u>T</u>	Olearia argophylla	Musk Daisy-bush
T	Acacia dealbata	Silver Wattle
T	Lomatia fraseri	Tree Lomatia
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Cassinia aculeata	Common Cassinia
MS	Pimelea axiflora	Bootlace Bush
MS	Olearia phlogopappa	Dusty Daisy-bush
LH	Mentha laxiflora	Forest Mint
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Geranium potentilloides	Cinquefoil Cranesbill
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Hydrocotyle hirta	Hairy Pennywort
SH	Dichondra repens	Kidney-weed
SH	Leptinella filicula	Mountain Cotula
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Calochlaena dubia	Common Ground-fern
TRF	Cyathea australis	Rough Tree-fern



Soft Tree-fern

Mountain Clematis

Dicksonia antarctica

Clematis aristata

TRF SC

EVC 29: Damp Forest Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name** Invasive **Impact** Hypochoeris radicata Cat's Ear high low

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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

 Eucalyptus spp.
 90 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus regnansMountain Ash

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	Acacia dealbata	Silver Wattle
T	Pomaderris aspera	Hazel Pomaderris
T	Olearia argophylla	Musk Daisy-bush
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Olearia phlogopappa	Dusty Daisy-bush
MS	Cassinia aculeata	Common Cassinia
MS	Correa lawrenceana	Mountain Correa
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Sambucus gaudichaudiana	White Elderberry
MH	Geranium potentilloides	Cinquefoil Cranesbill
SH	Leptostigma reptans	Dwarf Nertera
LTG	Lepidosperma elatius	Tall Sword-sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Histiopteris incisa	Bat's Wing Fern
GF	Blechnum wattsii	Hard Water-fern
TRF	Dicksonia antarctica	Soft Tree-fern
TRF	Cyathea australis	Rough Tree-fern
SC	Clematis aristata	Mountain Clematis
SC	Billardiera longiflora var. longiflora	Purple Apple-berry



EVC 30: Wet Forest Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name** Invasive **Impact** Hypochoeris radicata Cat's Ear high low

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EVC 31: Cool Temperate Rainforest

Description:

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

Large trees:

SpeciesDBH(cm)#/haNothofagus/Atherosperma70 cm20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name50%Nothofagus cunninghamiiMyrtle BeechAtherosperma moschatumSouthern Sassafras

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

LF Code T MS	Species typical of at least part of EVC range Pittosporum bicolor Tasmannia lanceolata	Common Name Banyalla Mountain Pepper
MS	Hedycarya angustifolia	Austral Mulberry
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Prostanthera lasianthos	Victorian Christmas-bush
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Australina pusilla ssp. muelleri	Shade Nettle
MH	Sambucus gaudichaudiana	White Elderberry
MH	Hydrocotyle hirta	Hairy Pennywort
LTG	Carex appressa	Tall Sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Libertia pulchella	Pretty Grass-flag
MNG	Uncinia tenella	Delicate Hook-sedge
GF	Blechnum wattsii	Hard Water-fern
GF	Grammitis billardierei	Common Finger-fern
GF	Polystichum proliferum	Mother Shield-fern
GF	Asplenium bulbiferum ssp. gracillimum	Mother Spleenwort
TRF	Dicksonia antarctica	Soft Tree-fern
TRF	Cyathea australis	Rough Tree-fern
EP	Crepidomanes venosum	Veined Bristle-fern
EP	Microsorum pustulatum ssp. pustulatum	Kangaroo Fern
EP	Hymenophyllum australe	Austral Filmy Fern
EP	Hymenophyllum flabellatum	Shiny Filmy Fern
SC	Clematis aristata	Mountain Clematis
SC	Parsonsia brownii	Twining Silkpod



EVC 31: Cool Temperate Rainforest Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

20 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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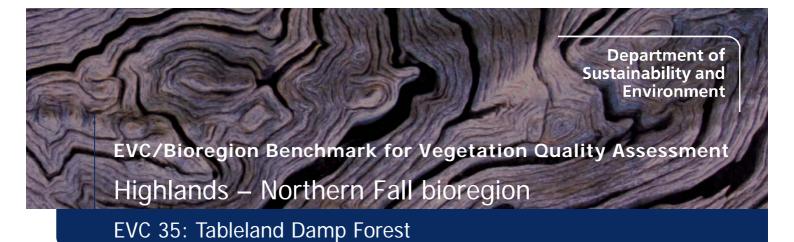
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Tall eucalypt forest to 30 m tall with an understorey dominated by a tall, diverse shrub layer of broad-leaved shrubs and heaths with sometimes a scattering of tree-ferns. The ground layer is dominated by a variety of herbs and graminoids. Occurs on topographically protected south-facing slopes and occasionally in gully heads on northern or western slopes in low relief montane areas.

Large trees:

Description:

SpeciesDBH(cm)#/haEucalyptus spp.90 cm20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus delegatensis ssp. delegatensisAlpine Ash

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	20%	T
Medium Shrub	7	20%	MS
Small Shrub	2	10%	SS
Large Herb	2	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	2	15%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	3	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range Acacia dealbata	Common Name Silver Wattle
T	Acacia obliquinervia	Mountain Hickory Wattle
MS	Polyscias sambucifolia	Elderberry Panax
MS	Coprosma hirtella	Rough Coprosma
MS	Olearia phlogopappa	Dusty Daisy-bush
MS	Cassinia aculeata	Common Cassinia
SS	Leucopogon hookeri	Mountain Beard-heath
LH	Derwentia derwentiana	Derwent Speedwell
LH	Senecio linearifolius	Fireweed Groundsel
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Gonocarpus tetragynus	Common Raspwort
SH	Leptinella filicula	Mountain Cotula
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Poa ensiformis	Sword Tussock-grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern



EVC 35: Tableland Damp Forest Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

30 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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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 that enjoy the increased moisture available from cloud and fog drip

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 50 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus divesBroad-leaved Peppermint

Eucalyptus rubidaCandlebarkEucalyptus radiataNarrow-leaved Peppermint

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 Highlands - Northern Fall bioregion

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

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

Common Name LF Code **Typical Weed Species Impact** Invasive Hypochoeris radicata Cat's Ear high low

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Description:

Occurs in montane elevations on moderately fertile soils on all aspects. An open eucalypt woodland to 10 m tall, sometimes with a secondary tree layer. The understorey often consists of a sparse shrub layer which can be variable in height. The EVC is characterised by its grassy ground cover together with a variety of other graminoids and herbs.

Large trees:

Species *Eucalyptus* spp.

DBH(cm) #/ha
50 cm
15 / ha

EVC 37: Montane Grassy Woodland

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus paucifloraSnow GumEucalyptus divesBroad-leaved PeppermintEucalyptus rubidaCandlebark

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	3	10%	SS
Prostrate Shrub	2	5%	PS
Large Herb	4	10%	LH
Medium Herb	15	20%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	7	20%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C



EVC 37: Montane Grassy Woodland Highlands - Northern Fall bioregion

LF Code T MS MS MS MS SS SS SS PS PS LH LH MH MH MH SH	Species typical of at least part of EVC range Acacia dealbata Cassinia aculeata Pultenaea juniperina s.l. Pimelea linifolia Brachyloma daphnoides Hibbertia obtusifolia Olearia erubescens Leucopogon hookeri Platylobium formosum Acrotriche serrulata Arthropodium milleflorum s.l. Wahlenbergia stricta Gonocarpus tetragynus Viola betonicifolia ssp. betonicifolia Stellaria pungens Chiloglottis gunnii s.l.	Common Name Silver Wattle Common Cassinia Prickly Bush-pea Slender Rice-flower Daphne Heath Grey Guinea-flower Moth Daisy-bush Mountain Beard-heath Handsome Flat-pea Honey-pots Pale Vanilla-lily Tall Bluebell Common Raspwort Showy Violet Prickly Starwort Common Bird-orchid
PS		•
LH	Arthropodium milleflorum s.l.	
LH	Wahlenbergia stricta	Tall Bluebell
MH	Gonocarpus tetragynus	Common Raspwort
MH	Viola betonicifolia ssp. betonicifolia	Showy Violet
MH	Stellaria pungens	Prickly Starwort
SH	Chiloglottis gunnii s.l.	Common Bird-orchid
SH	Galium ciliare	Hairy Bedstraw
SH	Leptinella filicula	Mountain Cotula
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Deyeuxia quadriseta	Reed Bent-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Themeda triandra	Kangaroo Grass
MTG	Luzula meridionalis var. flaccida	Common Woodrush
GF	Polystichum proliferum	Mother Shield-fern
GF	Pteridium esculentum	Austral Bracken
SC	Glycine clandestina	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	Hypochoeris radicata	Cat's Ear	high	low
MH	Cerastium glomeratum s.l.	Common Mouse-ear Chickweed	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MH	Prunella vulgaris	Self-heal	high	high
MH	Taraxacum officinale spp. agg.	Garden Dandelion	high	low
SH	Trifolium repens var. repens	White Clover	high	high

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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

 Eucalyptus spp.
 90 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus delegatensis ssp. delegatensisAlpine Ash

Eucalyptus radiata s.l. Narrow-leaf Peppermint Eucalyptus rubida Candlebark

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 Highlands - Northern Fall bioregion

LF Code T MS MS MS MS SS PS LH LH LH SH SH SH SH SH SH SH SH SH MTG MTG MTG MTG	Species typical of at least part of EVC range Acacia dealbata Cassinia aculeata Coprosma hirtella Coprosma quadrifida Polyscias sambucifolia Olearia erubescens Platylobium formosum Derwentia derwentiana Senecio linearifolius Picris angustifolia Viola hederacea sensu Willis (1972) Stellaria pungens Acaena novae-zelandiae Lagenophora stipitata Chiloglottis gunnii s.l. Leptinella filicula Hydrocotyle laxiflora Lomandra longifolia Dianella tasmanica Poa ensiformis Poa sieberiana Stylidium graminifolium s.l.	Common Name Silver Wattle Common Cassinia Rough Coprosma Prickly Currant-bush Elderberry Panax Moth Daisy-bush Handsome Flat-pea Derwent Speedwell Fireweed Groundsel Native Picris Ivy-leaf Violet Prickly Starwort Bidgee-widgee Common Bottle-daisy Common Bird-orchid Mountain Cotula Stinking Pennywort Spiny-headed Mat-rush Tasman Flax-lily Sword Tussock-grass Grey Tussock-grass Grass Trigger-plant
	Stylidium graminifolium s.l. Microlaena stipoides var. stipoides Deyeuxia rodwayi Pteridium esculentum Polystichum proliferum Clematis aristata	, ,

Recruitment:

Continuous.

Organic Litter:

80 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low

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EVC 39: Montane Wet Forest

Description:

Grows on the most sheltered wet sites such as gully heads and south facing slopes at montane elevations in high rainfall areas. Soils are deep, fertile, well-drained and structureless and although well-drained, may remain saturated for long periods. The overstorey forms a tall open eucalypt forest to 30 m tall over a secondary tree layer with occasional tall shrubs which provide shade and protection for a fern-rich ground layer. Scattered herbs occur in gaps in the ground layer.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 90 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus regnans
Eucalyptus nitensMountain Ash
Shining Gum

Jildei Storey.			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	5	30%	T
Medium Shrub	5	15%	MS
Large Herb	2	1%	LH
Medium Herb	6	10%	MH
Small or Prostrate Herb	1	1%	SH
Large Non-tufted Graminoid	1	15%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Ground Fern	3	20%	GF
Tree Fern	2	5%	TRF
Scrambler or Climber	2	1%	SC
Bryophytes/Lichens	na	20%	BL



EVC 39: Montane Wet Forest Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
T	Lomatia fraseri	Tree Lomatia
MS	Cassinia aculeata	Common Cassinia
MS	Polyscias sambucifolia	Elderberry Panax
MS	Olearia phlogopappa	Dusty Daisy-bush
MS	Prostanthera lasianthos	Victorian Christmas-bush
LH	Mentha laxiflora	Forest Mint
LH	Senecio velleioides	Forest Groundsel
MH	Stellaria flaccida	Forest Starwort
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Geranium potentilloides	Cinquefoil Cranesbill
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
SH	Leptinella filicula	Mountain Cotula
SH	Oxalis exilis	Shady Wood-sorrel
SH	Asperula euryphylla var. euryphylla	Broad-leaf Woodruff
SH	Oxalis corniculata s.l.	Yellow Wood-sorrel
LTG	Dryopoa dives	Giant Mountain-grass
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Poa ensiformis	Sword Tussock-grass
MTG	Poa australis spp. agg.	Tussock Grass
GF	Polystichum proliferum	Mother Shield-fern
GF	Pteridium esculentum	Austral Bracken
GF	Histiopteris incisa	Bat's Wing Fern
TRF	Dicksonia antarctica	Soft Tree-fern
TRF	Cyathea australis	Rough Tree-fern
SC	Clematis aristata	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code Typical Weed Species **Common Name Invasive Impact** MH Hypochoeris radicata Cat's Ear high low

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Associated with the peat-rich flats of perennial, meandering streams which flow through Montane Dry Woodland at montane elevations. Characterised by a low open woodland to 10 m tall with a dense riparian shrub layer lining the smaller creeks but on the larger streams may be largely non-treed. The ground layer contains a dense sward of grasses, herbs and sedges often associated with creeks or river margins.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 60 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus rubida
Eucalyptus camphora ssp. humeana
Eucalyptus stellulataCandlebark
Mountain Swamp-gum
Black Sallee

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	10%	T
Medium Shrub	3	10%	MS
Small Shrub	3	5%	SS
Large Herb	4	10%	LH
Medium Herb	12	20%	MH
Small or Prostrate Herb	4	10%	SH
Large Tufted Graminoid	3	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	6	30%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	20%	BL

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

15 m/0.1 ha.



EVC 40: Montane Riparian Woodland Highlands - Northern Fall bioregion

LF Code T MS MS MS SS		Species typical of at least part of EVC range Leptospermum grandifolium Baeckea gunniana Leptospermum myrtifolium Pimelea axiflora Rubus parvifolius	Common Name Mountain Tea-tree Alpine Baeckea Myrtle Tea-tree Bootlace Bush Small-leaf Bramble
SS		Hovea heterophylla	Common Hovea
SS SS		Leucopogon hookeri Epacris microphylla s.l.	Mountain Beard-heath Coral Heath
LH		Villarsia reniformis	Running Marsh-flower
LH		Veronica gracilis	Slender Speedwell
LH		Senecio hispidulus	Rough Fireweed
MH		Asperula pusilla	Alpine Woodruff
MH		Asperula gunnii	Mountain Woodruff
MH		Geranium potentilloides	Cinquefoil Cranesbill
SH		Dichondra repens	Kidney-weed
SH		Ranunculus amphitrichus	Small River Buttercup
SH	r	Gratiola nana	Matted Brooklime
SH		Scleranthus biflorus s.l.	Twin-flower Knawel
LTG		Deyeuxia quadriseta	Reed Bent-grass
LTG	r		Large-head Club-sedge
LTG		Juncus gregiflorus	Green Rush
LTG		Carex longebrachiata	Bergalia Tussock
MTG		Carex gaudichaudiana	Fen Sedge
MTG		Lachnagrostis filiformis	Common Blown-grass
MTG		Lachnagrostis aemula s.l.	Leafy Blown-grass
MTG		Carex blakei	Alpine Sedge
MNG		Isolepis crassiuscula	Alpine Club-sedge
MNG		Baumea gunnii	Slender Twig-sedge
MNG MNG		Baloskion australe	Mountain Cord-rush Field Woodrush
		Luzula campestris spp. agg.	Mother Shield-fern
GF GF		Polystichum proliferum Blechnum minus	Soft Water-fern

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rosa rubiginosa	Sweet Briar	low	high
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Rumex crispus	Curled Dock	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	high
MH	Trifolium dubium	Suckling Clover	high	low
MH	Cerastium glomeratum s.l.	Common Mouse-ear Chickweed	high	low
MH	Taraxacum officinale spp. agg.	Garden Dandelion	high	low
MH	Batrachium trichophyllum	Water Fennel	high	high
MH	Acetosella vulgaris	Sheep Sorrel	high	high
SH	<i>Trifolium repens</i> var. <i>repens</i>	White Clover	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
MNG	Aira caryophyllea	Silvery Hair-grass	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low

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EVC 41: Montane Riparian Thicket

Description:

Closed shrubland to 8 m tall, often occurring as a narrow, linear strip along montane streams. The overstorey tree stratum is usually absent (although emergents may occur), often occurring only as overhang from adjacent Montane Damp Forest. Occurs in montane and sub-alpine areas, often within Montane Damp Forest along drainage lines, streams with gentle gradients and in soaks at the heads of gullies on south-facing aspects. The waterlogged soils are colluviums or alluviums rich in organic matter. The understorey consists of shade-tolerant shrubs and ferns. Sedges, grasses and herbs form a sparse but diverse ground layer.

Canopy Cover:

%cover	Character Species	Common Name
50%	Leptospermum grandifolium	Mountain Tea-tree
	Acacia melanoxylon	Blackwood
	Acacia dealbata	Silver Wattle

Life form	#Spp	%Cover	LF code
Medium Shrub	4	10%	MS
Medium Herb	4	5%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	3	5%	MTG
Ground Fern	5	35%	GF
Tree Fern	1	1%	TRF
Bryophytes/Lichens	na	20%	BL
Total understorey projective foliage cover		75%	

MS MS MS MS LH MH MH MH SH LTG MTG GF GF GF TRF	Tasmannia lanceolata Prostanthera lasianthos Epacris breviflora Epilobium gunnianum Viola hederacea sensu Willis (1972) Hydrocotyle hirta Gratiola peruviana Australina pusilla ssp. muelleri Leptinella filicula Carex appressa Deyeuxia brachyathera Dianella tasmanica Poa labillardierei var. labillardierei Blechnum nudum Polystichum proliferum Pteridium esculentum Blechnum wattsii Todea harbara	Mountain Pepper Victorian Christmas-bush Drumstick Heath Gunn's Willow-herb Ivy-leaf Violet Hairy Pennywort Austral Brooklime Shade Nettle Mountain Cotula Tall Sedge Short Bent-grass Tasman Flax-lily Common Tussock-grass Fishbone Water-fern Mother Shield-fern Austral Bracken Hard Water-fern Austral King-fern
TRF	Todea barbara	Austral King-fern
SC	Clematis aristata	Mountain Clematis



EVC 41: Montane Riparian Thicket Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

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

Weediness:

LF Code Typical Weed Species Common Name Invasive **Impact** Prunella vulgaris Self-heal high

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EVC 43: Sub-alpine Woodland

Description:

Grows on a wide range of geologies and aspects, in the higher altitudinal levels above 1200 m. Rainfall is relatively high and snow may persist for long periods over winter. Soils are generally skeletal sandy clay loams with a rich humus topsoil layer. A low, open woodland to 10 m tall dominated by Snow Gum *Eucalyptus pauciflora*, with the understorey variously consisting of a rich suite of grasses and herbs, or a dense layer of woody shrubs, depending on soil fertility.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 40 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus paucifloraSnow GumEucalyptus pauciflora ssp. niphophilaAlpine Sally

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	4	20%	MS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	10	20%	MH
Small or Prostrate Herb	1	5%	SH
Large Tufted Graminoid	2	1%	LTG
Medium to Small Tufted Graminoid	4	20%	MTG
Ground Fern	1	5%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	20%	BL

LF Code T MS MS MS MS PS LH	Species typical of at least part of EVC range Acacia dealbata Coprosma hirtella Lomatia myricoides Polyscias sambucifolia Pultenaea juniperina s.l. Platylobium formosum Lobelia gibbosa s.s.	Common Name Silver Wattle Rough Coprosma River Lomatia Elderberry Panax Prickly Bush-pea Handsome Flat-pea Tall Lobelia
LH	Derwentia derwentiana	Derwent Speedwell
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Viola betonicifolia ssp. betonicifolia	Showy Violet
MH	Stellaria pungens	Prickly Starwort
MH SH SH LTG LTG MTG	Acaena novae-zelandiae Gonocarpus montanus Leptinella filicula Lomandra longifolia ssp. exilis Deyeuxia frigida Poa sieberiana	Bidgee-widgee Mat Raspwort Mountain Cotula Cluster-headed Mat-rush Forest Bent-grass
MTG	Pua sieueriana	Grey Tussock-grass
MTG	Luzula meridionalis var. flaccida	Common Woodrush
MTG	Poa hothamensis var. hothamensis	Ledge Grass
MTG	Poa sieberiana var. sieberiana	Grey Tussock-grass
GF	Pteridium esculentum	Austral Bracken
SC	Clematis aristata	Mountain Clematis



EVC 43: Sub-alpine Woodland Highlands – Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

10 m/0.1 ha.

Weediness:

LF Code Typical Weed Species Common Name Invasive Impact MH Hypochoeris radicata Cat's Ear high low MTG Anthoxanthum odoratum Sweet Vernal-grass high high

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus macrorhyncha
Eucalyptus ovataRed Stringybark
Swamp Gum
Messmate Stringybark
Narrow-leaf Peppermint

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

MS MS MS MS MS SS PS PS MH MH MH MH MH CTG LNG MTG MNG GF GF	Species typical of at least part of EVC range Leptospermum scoparium Coprosma quadrifida Pultenaea juniperina s.l. Epacris impressa Tetratheca ciliata Acrotriche serrulata Acrotriche prostrata Oxalis perennans Hydrocotyle hirta Viola hederacea sensu Entwisle (1996) Gonocarpus tetragynus Gahnia sieberiana Tetrarrhena juncea Poa ensiformis Poa tenera Microlaena stipoides var. stipoides Pteridium esculentum Calochlaena dubia	Common Name Manuka Prickly Currant-bush Prickly Bush-pea Common Heath Pink-bells Honey-pots Trailing Ground-berry Grassland Wood-sorrel Hairy Pennywort Ivy-leaf Violet Common Raspwort Red-fruit Saw-sedge Forest Wire-grass Sword Tussock-grass Slender Tussock-grass Weeping Grass Austral Bracken Common Ground-fern
GF GF		
SC	CICITIALIS ATISLALA	Mountain Clemaus



EVC 45: Shrubby Foothill Forest Highlands - Northern Fall bioregion

Recruitment:

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

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name** Invasive **Impact** Rubus sp. aff. armeniacus Blackberry high high

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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 25 m tall may carry 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
Eucalyptus spp.

70 cm
20 / ha

Tree Canopy Cover:

%cover20%

Character Species
Eucalyptus rubida

Eucalyptus radiata s.l. Eucalyptus melliodora Eucalyptus obliqua

Common Name

Candlebark

Narrow-leaf Peppermint

Yellow Box

Messmate Stringybark

Understorey:

·			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	6	10%	MS
Small Shrub	5	5%	SS
Prostrate Shrub	3	5%	PS
Large Herb	3	1%	LH
Medium Herb	16	20%	MH
Small or Prostrate Herb	4	5%	SH
Large Tufted Graminoid	3	5%	LTG
Medium to Small Tufted Graminoid	12	25%	MTG
Medium to Tiny Non-tufted Graminoid	3	10%	MNG
Ground Fern	1	5%	GF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs

20 m/0.1 ha.



EVC 47: Valley Grassy Forest Highlands – Northern Fall bioregion

LF Code T T MS MS	Species typical of at least part of EVC range Acacia dealbata Acacia melanoxylon Cassinia acudeita	Common Name Silver Wattle Blackwood Common Cassinia
MS	Coprosma quadrifida Leptospermum continentale	Prickly Currant-bush Prickly Tea-tree
SS	Hovea heterophylla	Common Hovea
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Tetratheca pilosa	Hairy Pink-bells
SS	Tetratheca ciliata	Pink-bells
PS	Acrotriche serrulata	Honey-pots
PS	Platylobium formosum	Handsome Flat-pea
PS	Acrotriche prostrata	Trailing Ground-berry
PS	Boronia nana var. hyssopifolia	Dwarf Boronia
LH	Senecio quadridentatus	Cotton Fireweed
LH	Senecio tenuiflorus	Slender Fireweed
MH	Ajuga australis	Austral Bugle
MH	Euchiton collinus s.s.	Creeping Cudweed
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Gonocarpus tetragynus	Common Raspwort
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Dichondra repens	Kidney-weed
SH	Desmodium gunnii	Southern Tick-trefoil
SH	Galium propinquum	Maori Bedstraw
LTG	Deyeuxia quadriseta	Reed Bent-grass
LTG	Lomandra longifolia ssp. exilis	Cluster-headed Mat-rush
LTG	Poa labillardierei	Common Tussock-grass
MTG	Themeda triandra	Kangaroo Grass
MTG	Poa sieberiana var. sieberiana	Grey Tussock-grass
MTG	Luzula meridionalis var. <i>flaccida</i>	Common Woodrush
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Echinopogon ovatus	Common Hedgehog-grass
GF	Pteridium esculentum	Austral Bracken
SC	Glycine clandestina	Twining Glycine
SC	Hardenbergia violacea	Purple Coral-pea

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rosa rubiginosa	Sweet Briar	high	high
MS	Rubus sp. aff. armeniacus	Blackberry	high	high
LH	Hypericum perforatum	St John's Wort	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MH	Trifolium dubium	Suckling Clover	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low

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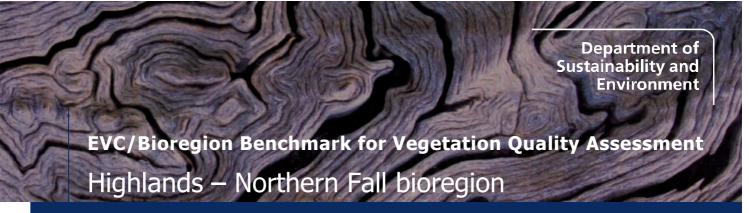
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EVC 48: Heathy Woodland

Description:

Spans a variety of geologies but is generally associated with nutrient-poor soils including deep uniform sands (aeolian or outwash) and Tertiary sand/clay which has been altered to form quartzite gravel. Eucalypt-dominated low woodland to 10 m tall lacking a secondary tree layer and generally supporting a diverse array of narrow or ericoid-leaved shrubs except where frequent fire has reduced this to a dense cover of bracken. Geophytes and annuals can be quite common but the ground cover is normally fairly sparse.

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus divesBroad-leaved Peppermint

Jiiuci Storey.			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Medium Shrub	7	40%	MS
Small Shrub	6	20%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	4	5%	MH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	4	10%	MTG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C



EVC 48: Heathy Woodland Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
MS	Leptospermum continentale	Prickly Tea-tree
MS	Monotoca scoparia	Prickly Broom-heath
MS	Epacris impressa	Common Heath
MS	Banksia marginata	Silver Banksia
SS	Leucopogon virgatus	Common Beard-heath
SS	Hovea heterophylla	Common Hovea
SS	Dillwynia sericea s.l.	Showy Parrot-pea
MH	Gonocarpus tetragynus	Common Raspwort
MH	Drosera peltata ssp. auriculata	Tall Sundew
MH	Hydrocotyle hirta	Hairy Pennywort
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Poa sieberiana	Grey Tussock-grass
GF	Pteridium esculentum	Austral Bracken
SC	Cassytha glabella	Slender Dodder-laurel

Recruitment:

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

Organic Litter:

40 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species Common Name Invasive Impact** MTG Briza maxima Large Quaking-grass

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An open, eucalypt woodland to 15 m tall. Occupies on well drained, fertile 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 characterised by summer-growing grasses.

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus camaldulensisRiver Red GumEucalyptus melliodoraYellow Box

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	2	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	12	45%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

MS MS MS MS MS SS PS PS MH MH MH MH SH LTG MTG	Species typical of at least part of EVC range Acacia pycnantha Acacia paradoxa Acacia acinacea s.l. Bursaria spinosa Pimelea humilis Astroloma humifusum Bossiaea prostrata Oxalis perennans Chrysocephalum apiculatum s.l. Acaena echinata Eryngium ovinum Dichondra repens Austrostipa spp. Themeda triandra Elymus scaber var. scaber	Common Name Golden Wattle Hedge Wattle Gold-dust Wattle Sweet Bursaria Common Rice-flower Cranberry Heath Creeping Bossiaea Grassland Wood-sorrel Common Everlasting Sheep's Burr Blue Devil Kidney-weed Spear-grass Kangaroo Grass Common Wheat-grass
MTG MTG MTG MNG	Elymus scaber var. scaber Austrodanthonia setacea Austrodanthonia racemosa var. racemosa Microlaena stipoides var. stipoides	Common Wheat-grass Bristly Wallaby-grass Stiped Wallaby-grass Weeping Grass



EVC 55: Plains Grassy Woodland Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

10 m/0.1 ha.

Weediness:

weediness:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Lycium ferocissimum	African Box-thorn	high	high
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low
LH	Plantago lanceolata	Ribwort	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Romulea rosea	Onion Grass	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Briza maxima	Large Quaking-grass	high	low

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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

 Eucalyptus spp.
 80 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus camaldulensisRiver 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	3	10%	LTG
Large Non-tufted Graminoid	2	10%	LNG
Medium to Small Tufted Graminoid	3	10%	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	Acacia dealbata	Silver Wattle
MC	Hymenanthera dentata s	Tree Violet

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

Recruitment:

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

Organic Litter:

40 % cover



EVC 56: Floodplain Riparian Woodland Highlands - Northern Fall bioregion

Logs:

30 m/0.1 ha.

Weediness:

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

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Dense thickets of Woolly Tea-tree *Leptospermum lanigerum* to 6 m tall with occasional emergent eucalypts that occur on broad beds of small streams or on regular flooded terraces of large streams and rivers. Ground layer is dominated by a number of ferns, tree-ferns and sedges.

Canopy Cover:

%cover	Character Species	Common Name
50%	Leptospermum lanigerum	Woolly Tea-tree

Understorev

unaerstorey:			
Life form	#Spp	%Cover	LF code
Medium Shrub	8	30%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	1	5%	SH
Large Tufted Graminoid	3	10%	LTG
Large Non-tufted Graminoid	2	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	15%	MNG
Ground Fern	3	10%	GF
Tree Fern	1	5%	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
MS	Epacris impressa	Common Heath
MS	Cassinia aculeata	Common Cassinia
MS	Ozothamnus rosmarinifolius	Rosemary Everlasting
MS	Kunzea ericoides	Burgan
SS	Dampiera stricta	Blue Dampiera
SS	Amperea xiphoclada var. xiphoclada	Broom Spurge
SS	Acacia brownii	Heath Wattle
PS	Acrotriche prostrata	Trailing Ground-berry
LH	Senecio minimus	Shrubby Fireweed
LH	Epilobium pallidiflorum	Showy Willow-herb
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
MH	Gonocarpus tetragynus	Common Raspwort
LTG	Cyperus lucidus	Leafy Flat-sedge
LTG	Carex appressa	Tall Sedge
LNG	Tetrarrhena juncea	Forest Wire-grass
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Lepidosperma filiforme	Common Rapier-sedge
MNG	Poa tenera	Slender Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Baumea tetragona	Square Twig-sedge
GF	Gleichenia dicarpa	Pouched Coral-fern
GF	Pteridium esculentum	Austral Bracken
GF	Blechnum minus	Soft Water-fern
TRF	Cyathea australis	Rough Tree-fern
SC	Billardiera scandens	Common Apple-berry



EVC 59: Riparian Thicket Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Weediness:

recuiress.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
Т	Salix cinerea	Grey Sallow	high	high
T	Pinus radiata	Radiata Pine	high	high
MS	Prunus cerasifera	Cherry Plum	high	high
MS	Cotoneaster pannosus	Velvet Cotoneaster	high	high
MS	Erica lusitanica	Spanish Heath	high	high
SS	Rubus sp. aff. armeniacus	Blackberry	high	high
LH	Solanum nigrum sensu Willis (1972)	Black Nightshade	high	low
MH	Lotus suaveolens	Hairy Bird's-foot Trefoil	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	low
SH	Callitriche stagnalis	Common Starwort	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high

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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

 Eucalyptus spp.
 80 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus camaldulensisRiver Red-gum

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understroey 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	3	15%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	15	30%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Bryophytes/Lichens	na	10%	BL



EVC 68: Creekline Grassy Woodland - Highlands Northern Fall bioregion

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

Recruitment:

Continuous

Organic Litter:

40 % cover

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Galium murale	Small Goosegrass	high	low
MH	Oxalis pes-caprae	Soursob	high	high
LTG	Juncus acutus	Spiny Rush	high	high
LTG	Phalaris aquatica	Toowoomba Canary-grass	high	high
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Romulea rosea	Onion Grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Bromus hordeaceus ssp. hordeaceus	Soft Brome	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low
MNG	Vulpia muralis	Wall Fescue	high	low
MNG	Bromus madritensis	Madrid Brome	high	low

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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

 Eucalyptus spp.
 60 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus nortoniiSilver BundyEucalyptus macrorhynchaRed StringybarkEucalyptus goniocalyx s.l.Bundy

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	4	20%	MS
Small Shrub	3	20%	SS
Large Herb	2	5%	LH
Medium Herb	11	20%	MH
Medium to Small Tufted Graminoid	4	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		70 %	

LF Code		Species typical of at least part of EVC range Allocasuarina verticillata	Common Name Drooping Sheoak
MS		Calytrix tetragona	Common Fringe-myrtle
MS		Cassinia longifolia	Shiny Cassinia
MS	Rг	Grevillea jephcottii	Green Grevillea
MS		Acacia verniciflua	Varnish Wattle
SS		Micromyrtus ciliata	Heath-myrtle
SS		Tetratheca ciliata	Pink-bells
SS		Dillwynia sericea s.l.	Showy Parrot-pea
LH		Stackhousia viminea	Slender Stackhousia
LH		Derwentia perfoliata	Digger's Speedwell
MH		Euchiton collinus s.s.	Creeping Cudweed
MH		Drosera peltata	Pale Sundew
MH		Daucus glochidiatus	Australian Carrot
MH		Gonocarpus elatus	Tall Raspwort
MTG		Dichelachne sieberiana	Rough Plume-grass
MTG	r	Poa sieberiana var. cyanophylla	Blue-leaf Tussock-grass
MTG		Juncus bufonius	Toad Rush
MTG		Dianella revoluta s.l.	Black-anther Flax-lily
MNG		Microlaena stipoides var. stipoides	Weeping Grass
GF		Cheilanthes sieberi ssp. sieberi	Narrow Rock-fern



EVC 72: Granitic Hills Woodland Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MNG	<i>Aira</i> spp.	Hair Grass	high	low
Und	<i>Vulpia</i> spp.	Fescue	high	low

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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:

%coverCharacter SpeciesCommon Name30%Acacia melanoxylonBlackwoodPomaderris asperaHazel PomaderrisAcacia dealbataSilver Wattle

Life form	#Spp	%Cover	LF code
Immature Canopy Shrub		5%	ΙΤ
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	4	15%	LTG
Medium to Small Tufted Graminoid	3	10%	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	Coprosma quadrifida	Prickly Currant-bush
MS	Lomatia myricoides	River Lomatia
MS	Leptospermum brevipes	Slender Tea-tree
MS	Kunzea ericoides	Burgan
SS	Leucopogon hookeri	Mountain Beard-heath
PS	Platylobium formosum	Handsome Flat-pea
PS	Acrotriche serrulata	Honey-pots
LH	Epilobium billardierianum ssp. hydrophilum	Robust Willow-herb
LH	Senecio tenuiflorus	Slender Fireweed
MH	Ajuga australis	Austral Bugle
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Viola hederacea sensu Willis (1972)	Ivy-leaf Violet
SH	Dichondra repens	Kidney-weed
SH	Hydrocotyle laxiflora	Stinking Pennywort
LTG	Cyperus lucidus	Leafy Flat-sedge
LTG	Carex appressa	Tall Sedge
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Poa labillardierei var. labillardierei	Common Tussock-grass
MTG	Poa sieberiana var. sieberiana	Grey Tussock-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Adiantum aethiopicum	Common Maidenhair
GF	Blechnum nudum	Fishbone Water-fern



EVC 82: Riverine Escarpment Scrub Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

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

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rosa rubiginosa	Sweet Briar	high	high
MS	Rubus sp. aff. armeniacus	Blackberry	high	high
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low
MH	Prunella vulgaris	Self-heal	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high

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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
Eucalyptus spp.
70 cm
10 / ha

EVC 83: Swampy Riparian Woodland

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus camphora ssp. humeana
Eucalyptus radiata s.l.Mountain Swamp-gum
Narrow-leaf Peppermint

_				
	Life form	#Spp	%Cover	LF code
	Immature Canopy Tree		5%	IT
	Understorey Tree or Large Shrub	2	15%	T
	Medium Shrub	5	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	5	30%	LTG
	Large Non-tufted Graminoid	2	5%	LNG
	Medium to Small Tufted Graminoid	3	5%	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 Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia melanoxylon	Blackwood
T	Acacia dealbata	Silver Wattle
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Leptospermum continentale	Prickly Tea-tree
MS	Epacris breviflora	Drumstick Heath
SS	Rubus parvifolius	Small-leaf Bramble
LH	Mentha laxiflora	Forest Mint
LH	Epilobium gunnianum	Gunn's Willow-herb
LH	Urtica incisa	Scrub Nettle
LH	Senecio minimus	Shrubby Fireweed
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Geranium potentilloides	Cinquefoil Cranesbill
MH	Asperula scoparia	Prickly Woodruff
SH	Hydrocotyle hirta	Hairy Pennywort
SH	Dichondra repens	Kidney-weed
SH	Hypericum japonicum	Matted St John's Wort
SH	Gonocarpus micranthus ssp. micranthus	Creeping Raspwort
SH	Hydrocotyle tripartita	Slender Pennywort
LTG	Cyperus lucidus	Leafy Flat-sedge
LTG	Carex appressa	Tall Sedge
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LTG	Poa labillardierei	Common Tussock-grass
LNG	Phragmites australis	Common Reed
MTG	Poa ensiformis	Sword Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Eleocharis gracilis	Slender Spike-sedge
MNG	Echinopogon ovatus	Common Hedgehog-grass
GF	Pteridium esculentum	Austral Bracken
GF	Blechnum nudum	Fishbone Water-fern
GF	Polystichum proliferum	Mother Shield-fern
GF	Blechnum minus	Soft Water-fern
TRF	Dicksonia antarctica	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	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	low
MH	Mimulus moschatus	Musk Monkey-flower	high	low
MH	Lotus corniculatus	Bird's-foot Trefoil	high	high
SH	Trifolium repens var. repens	White Clover	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	hiah	hiah

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A low, open forest to 15 m tall with a sedgy/grassy understorey with a component of small ericoid shrubs and grass-trees. Soil and moisture factors are critical in delimiting the vegetation.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus melliodoraYellow BoxEucalyptus goniocalyx s.l.BundyEucalyptus macrorhynchaRed Stringybark

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	7	15%	MS
Small Shrub	5	5%	SS
Prostrate Shrub	2	1%	PS
Medium Herb	6	10%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	5%	LTG
Large Non-tufted Graminoid	2	20%	LNG
Medium to Small Tufted Graminoid	6	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	1	1%	GF
Scrambler or Climber	3	5%	SC
Bryophytes/Lichens	na	10%	BL



EVC 127: Valley Heathy Forest Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Exocarpos cupressiformis	Cherry Ballart
MS	Epacris impressa	Common Heath
MS	Cassinia aculeata	Common Cassinia
MS	Daviesia leptophylla	Narrow-leaf Bitter-pea
MS	Cassinia arcuata	Drooping Cassinia
SS	Platylobium obtusangulum	Common Flat-pea
SS	Dillwynia cinerascens s.l.	Grey Parrot-pea
SS	Hovea heterophylla	Common Hovea
SS	Pimelea humilis	Common Rice-flower
PS	Acrotriche serrulata	Honey-pots
PS	Bossiaea prostrata	Creeping Bossiaea
MH	Leptorhynchos tenuifolius	Wiry Buttons
MH	Gonocarpus tetragynus	Common Raspwort
MH	Helichrysum scorpioides	Button Everlasting
SH	Opercularia varia	Variable Stinkweed
SH	Drosera whittakeri ssp. aberrans	Scented Sundew
SH	Oxalis corniculata s.l.	Yellow Wood-sorrel
LTG	Xanthorrhoea minor ssp. lutea	Small Grass-tree
LTG	Deyeuxia quadriseta	Reed Bent-grass
LNG	Gahnia radula	Thatch Saw-sedge
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Joycea pallida	Silvertop Wallaby-grass
MTG	Poa morrisii	Soft Tussock-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Lindsaea linearis	Screw Fern
SC	Billardiera scandens	Common Apple-berry
SC	Hardenbergia violacea	Purple Coral-pea

Recruitment:

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

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
Т	Pinus radiata	Radiata Pine	low	high
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Plantago lanceolata	Ribwort	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high

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Open eucalypt forest to 20 m tall occurring along minor gullies, ephemeral streams and river flats. The overstorey may contain a range of eucalypts typical of drier environments over an understorey of scattered shrubs and a notably mossy herb-rich groundcover.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus macrorhyncha
Eucalyptus cypellocarpaRed Stringybark
Mountain Grey-gum

Jiiuci Storey i			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree	• •	5%	IT
Understorey Tree or Large Shrub	4	15%	Т
Medium Shrub	9	30%	MS
Small Shrub	3	10%	SS
Prostrate Shrub	1	1%	PS
Large Herb	4	5%	LH
Medium Herb	11	15%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	3	5%	LTG
Medium to Small Tufted Graminoid	4	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	3	10%	GF
Tree Fern	1	5%	TRF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	10%	BL



EVC 169: Dry Valley Forest Highlands – Northern Fall bioregion

LF Code	Species typical of at least part of EVC range Olearia argophylla	Common Name Musk Daisy-bush
T	Acacia dealbata	Silver Wattle
MS	Pimelea axiflora	Bootlace Bush
MS	Olearia phlogopappa	Dusty Daisy-bush
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Goodia lotifolia	Golden Tip
SS	Tetratheca pilosa	Hairy Pink-bells
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Olearia megalophylla	Large-leaf Daisy-bush
LH	Stypandra glauca	Nodding Blue-lily
LH	Chrysocephalum semipapposum	Clustered Everlasting
MH	Stellaria pungens	Prickly Starwort
MH	Hydrocotyle hirta	Hairy Pennywort
MH	Gonocarpus tetragynus	Common Raspwort
SH	Leptinella filicula	Mountain Cotula
SH	Chiloglottis gunnii s.l.	Common Bird-orchid
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LTG	Deyeuxia frigida	Forest Bent-grass
MTG	Poa australis spp. agg.	Tussock Grass
MTG	Libertia pulchella	Pretty Grass-flag
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Blechnum wattsii	Hard Water-fern
GF	Polystichum proliferum	Mother Shield-fern
SC	Hardenbergia violacea	Purple Coral-pea

Recruitment:

Continuous

Organic Litter:

40 % cover

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Cerastium glomeratum s.l.	Common Mouse-ear Chickweed	high	low

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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:

SpeciesDBH(cm)#/haEucalyptus spp.70 cm15 / haAllocasuarina spp.40 cm

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus divesBroad-leaved PeppermintEucalyptus rubidaCandlebarkEucalyptus mannifera ssp. manniferaBrittle GumAllocasuarina verticillataDrooping Sheoak

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

LF Code ⊤	Species typical of at least part of EVC range Acacia dealbata	Common Name Silver Wattle
MS	<i>Pultenaea juniperina</i> s.l.	Prickly Bush-pea
MS	Pomaderris velutina	Velvet Pomaderris
MS	Brachyloma daphnoides	Daphne Heath
SS	Platylobium formosum	Handsome Flat-pea
LH	Derwentia perfoliata	Digger's Speedwell
LH	Senecio quadridentatus	Cotton Fireweed
LH	Wahlenbergia gracilis s.l.	Sprawling Bluebell
LH	Chrysocephalum semipapposum	Clustered Everlasting
MH	Geranium solanderi s.l.	Austral Cranesbill
MH	Crassula sieberiana ssp. sieberiana	Sieber Crassula
MH	Stellaria pungens	Prickly Starwort
MH	Daucus glochidiatus	Australian Carrot
SH	Crassula sieberiana	Sieber Crassula
LTG	Lomandra longifolia	Spiny-headed Mat-rush
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Luzula meridionalis var. flaccida	Common Woodrush
MTG	Lepidosperma laterale var. laterale	Variable Sword-sedge
MTG	Poa sieberiana var. sieberiana	Grey Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Cheilanthes sieberi ssp. sieberi	Narrow Rock-fern
GF	Asplenium flabellifolium	Necklace Fern
SC	Hardenbergia violacea	Purple Coral-pea



EVC 175: Grassy Woodland Highlands - Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Verbascum virgatum	Twiggy Mullein	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Acetosella vulgaris	Sheep Sorrel	high	high
MH	Centaurium erythraea	Common Centaury	high	low

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Dense shrubland to 3 m tall over a ground layer of herbs, sedges and often abundant *Sphagnum* moss occupying valleys on granitic massif plateaus at 400-600 m asl in areas with more than 900 mm annual rainfall. It occurs on all aspects of very gentle slopes above drainage lines or across hillsides between drainage lines. Soils are extremely saturated sandy clay, which may be associated with an impermeable clay layer or an hydrological phenomenon creating a soak or spring effect.

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	6	50%	MS
Large Herb	2	1%	LH
Medium Herb	6	10%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	4	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	3	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	2	10%	GF
Bryophytes/Lichens	na	30%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	Leptospermum continentale	Prickly Tea-tree
MS	Acacia pravissima	Ovens Wattle
MS	Baeckea utilis s.s.	Mountain Baeckea
MS	Goodenia ovata	Hop Goodenia
PS	Acrotriche prostrata	Trailing Ground-berry
LH	Senecio quadridentatus	Cotton Fireweed
MH	Lobelia anceps	Angled Lobelia
MH	Centella cordifolia	Centella
MH	Hydrocotyle hirta	Hairy Pennywort
SH	Gonocarpus micranthus ssp. micranthus	Creeping Raspwort
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Juncus procerus	Tall Rush
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Juncus pauciflorus	Loose-flower Rush
MTG	Luzula meridionalis	Common Woodrush
MTG	Poa australis spp. agg.	Tussock Grass
MTG	Lepidosperma laterale	Variable Sword-sedge
MNG	Poa tenera	Slender Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Calochlaena dubia	Common Ground-fern

Recruitment:

Continuous

Organic Litter:

20 % cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
SS	Rubus ulmifolius	Blackberry	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low



EVC 185: Perched Boggy Shrubland Highlands - Northern Fall bioregion

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A dense shrubland to 6 m tall growing on waterlogged substrates often with a peaty surface horizon. Emergent eucalypts may be occasionally present. The understorey typically consists of sedges tolerant of seasonal waterlogging. Occurs along creeks and minor stream tributaries.

Canopy Cover:

%coverCharacter SpeciesCommon Name60%Leptospermum lanigerumWoolly Tea-tree

Understorey:

%Cover 10% 10%	LF code MS LH
10%	
	LH
100/	
10%	MH
5%	SH
20%	LTG
5%	LNG
10%	MTG
10%	MNG
20%	BL
5%	SC
	20% 5% 10% 10% 20%

MS MS MH SH SH LTG LTG LTG LNG LNG MMG	Species typical of at least part of EVC range Coprosma quadrifida Acacia verticillata Oxalis perennans Oxalis exilis Crassula helmsii Poa labillardierei Carex tereticaulis Carex appressa Phragmites australis Lepidosperma longitudinale Triglochin procerum s.l. Empodisma minus	Common Name Prickly Currant-bush Prickly Moses Grassland Wood-sorrel Shady Wood-sorrel Swamp Crassula Common Tussock-grass Hollow Sedge Tall Sedge Common Reed Pithy Sword-sedge Water Ribbons Spreading Rope-rush
MNG MNG SC	Empodisma minus Microlaena stipoides var. stipoides Gleichenia microphylla	Spreading Rope-rush Weeping Grass Scrambling Coral-fern
		_

Recruitment:

Continuous

Organic Litter:

40 % cover



EVC 191: Riparian Scrub Highlands - Northern Fall bioregion

Weediness:

11000111000				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Rumex conglomeratus	Clustered Dock	high	low
LH	Sonchus oleraceus	Common Sow-thistle	high	low
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Trifolium dubium	Suckling Clover	high	low
MH	Trifolium subterraneum	Subterranean Clover	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Leontodon taraxacoides ssp. taraxacoides	Hairy Hawkbit	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Bromus hordeaceus ssp. hordeaceus	Soft Brome	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Romulea rosea	Onion Grass	high	low
MTG	Bromus diandrus	Great Brome	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
MNG	Cynosurus echinatus	Rough Dog's-tail	high	low

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Tall eucalypt forest 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. Herbs may also be abundant where light penetrates the ground layer.

Large trees:

Species DBH(cm)#/ha
Eucalyptus spp.

90 cm
20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus delegatensis ssp. delegatensisAlpine AshEucalyptus obliquaMessmate Stringybark

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	20%	T
Medium Shrub	7	25%	MS
Small Shrub	3	10%	SS
Large Herb	2	1%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	6	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	20%	BL

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
MS	Polyscias sambucifolia	Elderberry Panax
MS	Coprosma hirtella	Rough Coprosma
MS	Daviesia ulicifolia	Gorse Bitter-pea
MS	Olearia phlogopappa	Dusty Daisy-bush
SS	Leucopogon hookeri	Mountain Beard-heath
SS	Ozothamnus thyrsoideus	Sticky Everlasting
SS	Olearia megalophylla	Large-leaf Daisy-bush
SS	Olearia erubescens	Moth Daisy-bush
LH	Senecio linearifolius	Fireweed Groundsel
LH	Derwentia derwentiana	Derwent Speedwell
LH	Arthropodium milleflorum s.l.	Pale Vanilla-lily
MH	Lagenophora stipitata	Common Bottle-daisy
MH	Poranthera microphylla	Small Poranthera
MH	Stellaria pungens	Prickly Starwort
MH	Gonocarpus tetragynus	Common Raspwort
SH	Leptinella filicula	Mountain Cotula
SH	Oxalis exilis	Shady Wood-sorrel
LTG	Lomandra longifolia ssp. exilis	Cluster-headed Mat-rush
LTG	Deyeuxia quadriseta	Reed Bent-grass
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Luzula meridionalis var. flaccida	Common Woodrush
MTG	Deyeuxia monticola var. monticola	Mountain Bent-grass
MNG	Poa tenera	Slender Tussock-grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern



EVC 201: Shrubby Wet Forest Highlands – Northern Fall bioregion

Recruitment:

Continuous

Organic Litter:

50 % cover

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	low

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Occurs primarily in areas at altitudes of around 1200 m above sea level. Structurally and floristically this EVC is dominated by grasses. Any shrubs present tend to be small and cryptic. The fertile and highly organic soils which are generally derived from granodiorite provide a suitable substrate for a lush cover of grasses and herbs, many specific to montane/sub-alpine environments. Snow persists for several months over winter. Species richness is low, indicative of the harsh environment.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	5%	MS
Small Shrub	3	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	5	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C

LF Code MS	Species typical of at least part of EVC range Baeckea gunniana	Common Name Alpine Baeckea
SS	Grevillea australis	Alpine Grevillea
SS	Leucopogon hookeri	Mountain Beard-heath
SS	Hovea montana	Alpine Rusty-pods
PS	Pimelea alpina	Alpine Rice-flower
MH	Asperula gunnii	Mountain Woodruff
MH	Celmisia asteliifolia spp. agg.	Silver Daisy
MH	Leptorhynchos squamatus	Scaly Buttons
MH	Craspedia glauca spp. agg.	Common Billy-buttons
SH	Scleranthus biflorus s.l.	Twin-flower Knawel
SH	Gonocarpus micranthus ssp. micranthus	Creeping Raspwort
SH	Cotula alpina	Alpine Cotula
MTG	Carex breviculmis	Common Grass-sedge
MTG	Poa fawcettiae	Horny Snow-grass
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Poa costiniana	Bog Snow-grass
MNG	Empodisma minus	Spreading Rope-rush

Recruitment:

Continuous

Organic Litter:

10% Cover

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Acetosella vulgaris	Sheep Sorrel	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
SH	<i>Trifolium repens</i> var. <i>repens</i>	White Clover	high	high



EVC 206: Sub-alpine Grassland Highlands – Northern Fall bioregion

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EVC 207: Montane Grassy Shrubland

Description:

A shrubland, sometimes with emergent eucalypts to 15 m tall over a ground layer dominated by grasses and forbs. It occurs on dry and exposed steep, rocky mid to upper slopes at montane elevations. Soils are shallow, dark brown stony loams to clay loams.

Large trees⁺:

SpeciesDBH(cm)#/haEucalyptus spp.50 cm15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus paucifloraSnow GumEucalyptus rubidaCandlebark

Life form	#Spp	%Cover	LF code
Immature Canopy Tree ⁺		5%	IT
Understorey Tree or Large Shrub	2	20%	T
Mallee Tree	1	1%	MT
Medium Shrub	6	20%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	9	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	6	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Ground Fern	1	5%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C



⁺ eucalypt woodland only components (ignore when assessing shrublands and standardise site condition score as required)

EVC 207: Montane Grassy Shrubland Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
MS	Brachyloma daphnoides	Daphne Heath
MS	Hymenanthera dentata	Tree Violet
MS	Grevillea lanigera	Woolly Grevillea
MS	Daviesia mimosoides ssp. mimosoides	Blunt-leaf Bitter-pea
LH	Chrysocephalum semipapposum	Clustered Everlasting
LH	Senecio linearifolius	Fireweed Groundsel
LH	Wahlenbergia luteola	Bronze Bluebell
MH	Galium gaudichaudii	Rough Bedstraw
MH	Geranium solanderi s.l.	Austral Cranesbill
MH	Stellaria pungens	Prickly Starwort
SH	Crassula sieberiana	Australian Stonecrop
MTG	Themeda triandra	Kangaroo Grass
MTG	Poa phillipsiana	Blue Snow-grass
MTG	Poa costiniana	Bog Snow-grass
MTG	Poa sieberiana	Grey Tussock-grass
GF	Adiantum aethiopicum	Common Maidenhair
GF	Asplenium flabellifolium	Necklace Fern

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rosa rubiginosa	Sweet Briar	high	high
SS	Rubus laciniatus	Cut-leaf Bramble	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Trifolium arvense var. arvense	Hare's-foot Clover	high	low

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Virtually treeless and characterised by a dense layer of low heathy shrubs to 2 m tall, with a number of sedges and rushes in the understorey. Occurs at elevations above 1000 m, in soaks or along small streams. Rainfall is generally greater than 1000 mm per annum, and during winter, this EVC can tolerate long periods of snow cover and low temperature. Deep, peaty, sodden soils are usually covered by a layer of sphagnum moss.

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	6	30%	MS
Small Shrub	2	10%	SS
Large Herb	5	5%	LH
Medium Herb	10	15%	MH
Small or Prostrate Herb	4	10%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	10	20%	MTG
Medium to Tiny Non-tufted Graminoid	4	15%	MNG
Bryophytes/Lichens	na	20%	BL

LF Code		Species typical of at least part of EVC range	Common Name
MS		Hakea microcarpa	Small-fruit Hakea
MS		Comesperma retusum	Mountain Milkwort
MS		Olearia glandulosa	Swamp Daisy-bush
MS		Leptospermum myrtifolium	Myrtle Tea-tree
SS	r	Pultenaea fasciculata	Alpine Bush-pea
SS		Epacris microphylla s.l.	Coral Heath
LH		Senecio hispidulus	Rough Fireweed
LH		Senecio tenuiflorus	Slender Fireweed
LH		Veronica gracilis	Slender Speedwell
LH		Epilobium billardierianum	Variable Willow-herb
MH		Gratiola peruviana	Austral Brooklime
MH		Brachyscome scapigera	Tufted Daisy
MH		Lagenophora gracilis	Slender Bottle-daisy
MH		Craspedia glauca spp. agg.	Common Billy-buttons
SH		Hypericum japonicum	Matted St John's Wort
SH		Hydrocotyle tripartita	Slender Pennywort
SH		Isotoma fluviatilis ssp. australis	Swamp Isotome
SH		Gonocarpus micranthus ssp. micranthus	Creeping Raspwort
LTG		Juncus sarophorus	Broom Rush
LTG		Deyeuxia quadriseta	Reed Bent-grass
MTG		Austrodanthonia laevis	Smooth Wallaby-grass
MTG		Poa sieberiana	Grey Tussock-grass
MTG		Luzula meridionalis	Common Woodrush
MTG		Poa sieberiana var. sieberiana	Grey Tussock-grass
MNG		Empodisma minus	Spreading Rope-rush
MNG		Baloskion australe	Mountain Cord-rush
MNG	r	Juncus falcatus	Sickle-leaf Rush
MNG		Eleocharis gracilis	Slender Spike-sedge

Recruitment:

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

Organic Litter:

10% cover



EVC 210: Sub-alpine Wet Heathland Highlands - Northern Fall bioregion

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	high
MH	Cerastium glomeratum s.l.	Common Mouse-ear Chickweed	high	low
SH	Trifolium repens var. repens	White Clover	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Festuca rubra	Red Fescue	high	high

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EVC 318: Montane Swamp

Description:

Forms in drainage-lines on wet alluviums at montane and sub-montane elevations where annual rainfall is in the order of 650-750 mm. The vegetation is virtually treeless but occasional eucalypt emergents may be present. Characterised by an open shrub layer and a ground layer with a diversity of sedges, grasses, herbs and ferns.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	5	20%	MS
Small Shrub	2	5%	SS
Large Herb	1	1%	LH
Medium Herb	3	10%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Medium to Tiny Non-tufted Graminoid	4	15%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	40%	BL

LF Code	Species typical of at least part of EVC range	Common Name
MS	Baeckea utilis s.l.	Mountain Baeckea
MS	Leptospermum myrtifolium	Myrtle Tea-tree
MS	Epacris breviflora	Drumstick Heath
MS	Hakea microcarpa	Small-fruit Hakea
SS	Epacris microphylla s.l.	Coral Heath
MH	Asperula conferta	Common Woodruff
SH	Leptinella filicula	Mountain Cotula
LTG	Carex appressa	Tall Sedge
MTG	Schoenus apogon	Common Bog-sedge
MTG	Isolepis subtilissima	Club-sedge
MTG	Festuca asperula	Graceful Fescue
MTG	Poa costiniana	Prickly Snow-grass
MNG	Baloskion australe	Mountain Cord-rush
MNG	Baumea gunnii	Slender Twig-sedge
MNG	Empodisma minus	Spreading Rope-rush
GF	<i>Blechnum penna-marina</i> ssp. <i>alpina</i>	Alpine Water-fern

Recruitment:

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

Organic Litter:

10% cover

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



EVC 318: Montane Swamp Highlands – Northern Fall bioregion

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EVC 319: Montane Herb-rich Woodland

Description:

Occurs on southern and eastern-facing slopes or in protected gullies at elevations of around 1000 m above sea level, and receives a high rainfall of almost 1110 mm per annum. It is subject to cold air drainage, which influences the species mix. A mixture of eucalypts to 25 m tall forms the overstorey, with Silver Wattle abundant below. The shrub layer is neither diverse nor dense. The ground layer carries a diversity of herbs, graminoids and grasses. Climbers are commonly present.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus delegatensis ssp. delegatensisAlpine Ash

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	2	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	5	10%	LH
Medium Herb	12	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	8	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	3	10%	GF
Scrambler or Climber	2	5%	SC
Bryophytes/Lichens	na	20%	BL



EVC 319: Montane Herb-rich Woodland Highlands - Northern Fall bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
T	Notelaea ligustrina	Privet Mock-olive
MS	Coprosma hirtella	Rough Coprosma
MS	Pultenaea juniperina s.l.	Prickly Bush-pea
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Exocarpos strictus	Pale-fruit Ballart
SS	Olearia erubescens	Moth Daisy-bush
SS	Leucopogon hookeri	Mountain Beard-heath
SS	Tetratheca ciliata	Pink-bells
PS	Platylobium formosum	Handsome Flat-pea
LH	Wahlenbergia stricta	Tall Bluebell
LH	Epilobium billardierianum	Variable Willow-herb
LH	Picris angustifolia	Native Picris
LH	Derwentia derwentiana	Derwent Speedwell
MH	Ranunculus plebeius s.l.	Forest/Hairy Buttercup
MH	Stellaria pungens	Prickly Starwort
MH	Asperula scoparia	Prickly Woodruff
MH	Acaena novae-zelandiae	Bidgee-widgee
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Lobelia pedunculata s.l.	Matted Pratia
SH	Leptinella filicula	Mountain Cotula
SH	Oxalis exilis	Shady Wood-sorrel
LTG	Poa helmsii	Tall Mountain Tussock-grass
LTG	Lomandra longifolia	Spiny-headed Mat-rush
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Carex breviculmis	Common Grass-sedge
MTG	Poa ensiformis	Sword Tussock-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MNG	Echinopogon ovatus	Common Hedgehog-grass
GF	Pteridium esculentum	Austral Bracken
GF	Polystichum proliferum	Mother Shield-fern
GF	Asplenium flabellifolium	Necklace Fern
SC	Glycine clandestina	Twining Glycine
SC	Clematis aristata	Mountain Clematis

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

	Impact
high	low
high	low
	5

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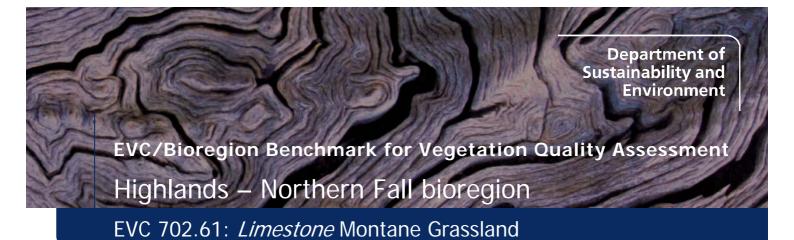
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Occurs on Silurian limestone at montane elevations around 1000 m above sea level. Structurally and floristically an open grassland with scattered, isolated patches of shrubs over a ground layer dominated by herbs and grasses.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	5%	MS
Small Shrub	1	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	3	10%	SH
Medium to Small Tufted Graminoid	6	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C

LF Code MS	Species typical of at least part of EVC range Olearia alpicola	Common Name Alpine Daisy-bush
MS	Rr <i>Discaria pubescens</i>	Hairy Anchor Plant
MS	Exocarpos strictus	Pale-fruit Ballart
PS	Muehlenbeckia axillaris	Matted Lignum
LH	Senecio quadridentatus	Cotton Fireweed
MH	Geranium solanderi s.l.	Austral Cranesbill
MH	Asperula conferta	Common Woodruff
MH	Daucus glochidiatus	Australian Carrot
MH	Vv Thesium australe	Austral Toad-flax
SH	Scleranthus diander	Tufted Knawel
SH	k <i>Desmodium varians</i>	Slender Tick-trefoil
MTG	Themeda triandra	Kangaroo Grass
MTG	v <i>Poa hookeri</i>	Hooker's Tussock-grass
MTG	Poa sieberiana var. hirtella	Grey Tussock-grass
MTG	Carex breviculmis	Common Grass-sedge
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Asplenium flabellifolium	Necklace Fern
GF	r <i>Asplenium trichomanes</i> ssp. <i>quadrivalens</i>	Common Spleenwort

Recruitment:

Continuous

Organic Litter:

10% Cover

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MNG	Aira caryophyllea	Silvery Hair-grass	high	high
LH	Verbascum virgatum	Twiggy Mullein	high	high
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Centaurium erythraea	Common Centaury	high	low



EVC 702.61: Limestone Montane Grassland Highlands - Northern Fall bioregion

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www.dse.vic.gov.au

EVC 702.62: Montane Grassland

Description:

Occurs primarily in areas at altitudes of around 700 to 1000 m above sea level. Structurally and floristically this EVC is dominated by grasses. The fertile and highly organic soils which are generally derived from Quaternary alluvial flats provide a suitable substrate for a lush cover of grasses and herbs.

Life Forms:

Life form	#Spp	%Cover	LF code
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	3	10%	SH
Medium to Small Tufted Graminoid	6	20%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		90%	

PS LH LH MH MH MH MH MH MH MH MH SH	Species typical of at least part of EVC range Wilsonia rotundifolia Chrysocephalum apiculatum s.l. Wahlenbergia luteola Acaena agnipila Goodenia pinnatifida Leptorhynchos squamatus Cynoglossum suaveolens Desmodium gunnii Austrodanthonia penicillata	Common Name Round-leaf Wilsonia Common Everlasting Bronze Bluebell Hairy Sheep's Burr Cut-leaf Goodenia Scaly Buttons Sweet Hound's-tongue Southern Tick-trefoil Slender Wallaby-grass
MTG MTG	Austrodanthonia peniciliata Austrostipa scabra ssp. scabra	Rough Spear-grass
MTG MTG	Elymus scaber var. scaber Carex inversa	Common Wheat-grass Knob Sedge

Recruitment:

Continuous

Organic Litter:

10% Cover

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Acetosella vulgaris	Sheep Sorrel	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
SH	<i>Trifolium repens</i> var. <i>repens</i>	White Clover	high	high



EVC 702.62: Montane Grassland Highlands - Northern Fall bioregion

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Open eucalypt woodland to 15 m tall with ground-layer dominated by tussock grasses and/or sedges and often rich in herbs. Occurs on poorly drained, seasonally waterlogged heavy soils, primarily on swamp deposits but extending to suitable substrates within some landscapes of sedimentary origin.

Large Trees:

SpeciesDBH(cm)#/haEucalyptus spp.60 cm15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus radiata s.l.Narrow-leaf PeppermintEucalyptus camphora subsp. humeanaMountain Swamp-gumEucalyptus ovataSwamp Gum

Lifeform	#Spp	%Cover	LF Code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	Т
Medium Shrub	4	20%	MS
Small Shrub	2	5%	SS
Large Herb	2	10%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-Tufted Graminoid	1	10%	LNG
Medium to Small Tufted Graminoid	3	10%	MTG
Medium to Tiny Non-Tufted Graminoid	2	5%	MNG
Ground Fern	2	10%	GF
Bryophytes/Lichens		20%	BL



EVC 937: Swampy Woodland

LF Code	Species typical of at least part of EVC range	Common Name
Ţ	Acacia melanoxylon	Blackwood
Ţ	Melaleuca ericifolia	Swamp Paperbark
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Epacris impressa	Common Heath
MS	Leptospermum continentale	Prickly Tea-tree
MS	Ozothamnus ferrugineus	Tree Everlasting
SS	Hibbertia riparia	Erect Guinea-flower
LH	Pterostylis longifolia s.l.	Tall Greenhood
LH	Senecio minimus	Shrubby Fireweed
MH	Centella cordifolia	Centella
MH	Gonocarpus tetragynus	Common Raspwort
MH	Gratiola peruviana	Austral Brooklime
MH	Mazus pumilio	Swamp Mazus
SH	Dichondra repens	Kidney-weed
SH	Opercularia varia	Variable Stinkweed
LTG	Carex appressa	Tall Sedge
LTG	Gahnia sieberiana	Red-fruit Saw-sedge
LNG	Gahnia radula	Thatch Saw-sedge
LNG	Lepidosperma longitudinale	Pithy Sword-sedge
MTG	Lepidosperma laterale	Variable Sword-sedge
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Schoenus apogon	Common Bog-sedge
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Poa tenera	Slender Tussock-grass
GF	Lindsaea linearis	Screw Fern

Recruitment:

Continuous.

Organic Litter:

20 % cover

Logs:

15 m/0.1ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
SC	Rubus fruticosus spp. agg.	Blackberry	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Allium triquetrum	Three-corner Garlic	high	high
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high

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