Monaro Tablelands bioregion

EVC 18: Riparian Forest

Description:

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

| Large trees: Species Eucalyptus sp | р. | DBH(cm) 80 cm | #/ha 20 / ha | I | |
|--|---|-------------------------|------------------------|--------------------------------------|------------|
| Tree Canopy | Cover: | | | | |
| %cover 40% | Character Species Eucalyptus fastigata Eucalyptus viminalis | | | Commo Cut-tail Manna Gu | |
| Understorey: | | | | | |
| Life form | | #Sp | р | %Cover | LF code |
| Immature Car | | | | 5% | IT |
| , | ree or Large Shrub | 2 | | 20% | Т |
| Medium Shrut |) | 3 | | 5% | MS |
| Small Shrub | | 3 | | 5% | SS |
| Prostrate Shru | ID | 1 | | 1% | PS |
| Large Herb | | 2 | | 5% | LH |
| Medium Herb | under Maria | 21 | | 15% | MH |
| Small or Prost | | 9 | | 10% | SH |
| Large Tufted | | 3 | | 5% 10% | LTG |
| Medium to Small Tufted Graminoid | | 5 | | 10% | MTG MNG |
| Ground Fern | ny Non-tufted Graminoid | 3 3 | | 10% | GF |
| Scrambler or (| Climbor | 3 | | 10% | SC |
| Bryophytes/Li | | na | | 20% | BL |
| Diyophytes/Li | | na | | 20 /0 | DL |



EVC 18: Riparian Forest - Monaro Tablelands bioregion

| LF Code | Character Species | Common Name |
|---------|---|------------------------|
| T | Acacia melanoxylon | Blackwood |
| Т | Lomatia fraseri | Tree Lomatia |
| MS | Goodia lotifolia | Golden Tip |
| MS | Olearia alpicola | Alpine Daisy-bush |
| MS | Coprosma quadrifida | Prickly Currant-bush |
| SS | Olearia erubescens | Moth Daisy-bush |
| SS | Leucopogon hookeri | Mountain Beard-heath |
| SS | Rubus parvifolius | Small-leaf Bramble |
| PS | Astroloma humifusum | Cranberry Heath |
| LH | Senecio minimus | Shrubby Fireweed |
| LH | Epilobium billardierianum | Variable Willow-herb |
| MH | <i>Ranunculus plebeius</i> s.l. | Forest/Hairy Buttercup |
| MH | Rumex brownii | Slender Dock |
| MH | Pterostylis decurva | Summer Greenhood |
| MH | Asperula scoparia | Prickly Woodruff |
| SH | Cymbonotus preissianus | Austral Bear's-ear |
| SH | Leptinella filicula | Mountain Cotula |
| SH | Hydrocotyle sibthorpioides | Shining Pennywort |
| SH | <i>Oxalis corniculata</i> s.l. | Yellow Wood-sorrel |
| LTG | Gahnia sieberiana | Red-fruit Saw-sedge |
| LTG | Lomandra longifolia | Spiny-headed Mat-rush |
| LTG | Juncus continuus | Pithy Rush |
| LTG | Carex appressa | Tall Sedge |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | Luzula meridionalis var. densiflora | Common Woodrush |
| MTG | r <i>Poa clivicola</i> | Fine-leaf Snow-grass |
| MTG | Poa ensiformis | Sword Tussock-grass |
| MNG | Poa tenera | Slender Tussock-grass |
| MNG | <i>Microlaena stipoides</i> var. <i>stipoides</i> | Weeping Grass |
| MNG | Echinopogon ovatus | Common Hedgehog-grass |
| GF | Polystichum proliferum | Mother Shield-fern |
| GF | Pteridium esculentum | Austral Bracken |
| GF | Blechnum nudum | Fishbone Water-fern |
| SC | Glycine clandestina | Twining Glycine |
| SC | Clematis aristata | Mountain Clematis |
| | | |

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code **Typical Weed Species** Rubus sp. aff. armeniacus SS LH Cirsium vulgare MH Hypochoeris radicata MH Taraxacum officinale spp. agg. SH Trifolium repens var. repens LNG Holcus lanatus

| Common Name | Invasive |
|------------------|----------|
| Blackberry | high |
| Spear Thistle | high |
| Cat's Ear | high |
| Garden Dandelion | high |
| White Clover | high |
| Yorkshire Fog | high |

Impact high high low low high high

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Monaro Tablelands bioregion

EVC 21: Shrubby Dry Forest

Description:

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

| Large trees: Species Eucalyptus sp |). | DBH(cm) 60 cm | #/ha 20 / ha | |
|--|--|-------------------------|--|--|
| Tree Canopy %cover 30% | Cover: Character Species <i>Eucalyptus dives</i> <i>Eucalyptus rubida</i> | | | mon Name -leaved Peppermint ebark |
| Medium Shrub Small Shrub Prostrate Shru Large Herb Medium Herb Small or Prostu Large Tufted C Medium to Sm Medium to Tin Bryophytes/Lic | ree or Large Shrub b rate Herb Graminoid all Tufted Graminoid y Non-tufted Graminoid | | 5% 10% 30% 1% 5% 5% 1% 5% 10% 1% 10% 60% | IT T MS SS PS LH MH SH LTG MTG MNG BL |
| MS MS MS SS SS SS SS SS H LH LH LH LH SH SH SH SH LTG MTG MTG | Daviesia mimosoides s.l. Leucopogon lanceolatus var. lan Persoonia silvatica Tetratheca bauerifolia Leucopogon hookeri Hibbertia obtusifolia Podolobium procumbens Persoonia chamaepeuce Senecio minimus Wahlenbergia stricta Brachyscome aculeata Viola betonicifolia ssp. betonicifo Viola hederacea sensu Willis (19 Veronica calycina Lobelia pedunculata s.l. Hydrocotyle laxiflora Lomandra longifolia Joycea pallida Dianella tasmanica Poa clivicola Dianella revoluta s.l. Microlaena stipoides var. stipoid | olia 72) | | Blunt-leaf Bitter-pea Lance Beard-heath Forest Geebung Heath Pink-bells Mountain Beard-heath Grey Guinea-flower Trailing Podolobium Dwarf Geebung Shrubby Fireweed Tall Bluebell Branching Daisy Showy Violet Ivy-leaf Violet Hairy Speedwell Matted Pratia Stinking Pennywort Spiny-headed Mat-rush Silvertop Wallaby-grass Tasman Flax-lily Fine-leaf Snow-grass Black-anther Flax-lily Weeping Grass |



Recruitment:

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

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

| Typical Weed Species | Common Name | Invasive | Impact |
|--|--|---|---|
| Cirsium vulgare | Spear Thistle | high | low |
| Hypochoeris radicata | Cat's Ear | high | low |
| Prunella vulgaris | Self-heal | high | low |
| <i>Trifolium repens</i> var. <i>repens</i> | White Clover | high | low |
| Holcus lanatus | Yorkshire Fog | high | low |
| | Cirsium vulgare Hypochoeris radicata Prunella vulgaris Trifolium repens var. repens | Cirsium vulgareSpear ThistleHypochoeris radicataCat's EarPrunella vulgarisSelf-healTrifolium repens var. repensWhite Clover | Cirsium vulgareSpear ThistlehighHypochoeris radicataCat's EarhighPrunella vulgarisSelf-healhighTrifolium repens var. repensWhite Cloverhigh |

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Monaro Tablelands bioregion

EVC 22: Grassy Dry Forest

Description:

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

| Large trees: Species Eucalyptus sp | р. | DBH(cm) 60 cm | #/ha 20 / ha | | |
|--|--|-------------------------|------------------------|--------|---------|
| Tree Canopy | Cover: | | | | |
| %cover 30% | Character Species <i>Eucalyptus nortonii</i> <i>Eucalyptus bridgesiana</i> s.l. <i>Eucalyptus consideniana</i> | | | | - Cit |
| Understorey | | | | | |
| Life form | | #S | рр | %Cover | LF code |
| Immature Ca | nopy Tree | | | 5% | IT |
| Understorey 7 | Free or Large Shrub | 1 | | 10% | Т |
| Medium Shru | b | 7 | | 20% | MS |
| Small Shrub | | 3 | | 5% | SS |
| Prostrate Shr | ub | 1 | | 5% | PS |
| Large Herb | | 3 | | 1% | LH |
| Medium Herb | | 11 | | 20% | MH |
| Small or Pros | trate Herb | 2 | | 1% | SH |
| Large Tufted | | 2 | | 5% | LTG |
| 0 | fted Graminoid | 1 | | 5% | LNG |
| Medium to Small Tufted Graminoid | | 6 | | 25% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 1 | | 1% | MNG |
| Ground Fern | | 2 | | 5% | GF |
| Scrambler or | Climber | 3 | | 5% | SC |
| Bryophytes/Li | chens | na | | 10% | BL |
| Soil Crust | | na | | 10% | S/C |



EVC 22: Grassy Dry Forest – Monaro Tablelands bioregion

| LF Code | Species typical of at least part of EVC range | Со |
|---------|---|------|
| Т | Acacia falciformis | Larg |
| MS | Cassinia longifolia | Shir |
| MS | <i>Pultenaea juniperina</i> s.l. | Pric |
| MS | Pimelea curviflora s.l. | Cur |
| MS | Monotoca scoparia | Pric |
| SS | Hibbertia obtusifolia | Gre |
| PS | Acrotriche serrulata | Hor |
| PS | Astroloma humifusum | Cra |
| LH | Acaena agnipila | Haii |
| MH | Plantago varia | Var |
| MH | Hypericum gramineum | Sma |
| MH | Lagenophora stipitata | Con |
| MH | Gonocarpus tetragynus | Con |
| SH | Hydrocotyle laxiflora | Stin |
| SH | Opercularia varia | Var |
| SH | Desmodium varians | Sler |
| LTG | Lomandra longifolia | Spir |
| LNG | Gahnia radula | Tha |
| MTG | Poa sieberiana | Gre |
| MTG | Dianella tasmanica | Tas |
| MTG | Dianella revoluta s.l. | Blac |
| MTG | Themeda traindra | Kan |
| MNG | Microlaena stipoides var. stipoides | We |
| GF | Pteridium esculentum | Aus |
| SC | Billardiera scandens | Con |
| SC | Clematis aristata | Μοι |
| SC | Glycine clandestina | Twi |

ommon Name

rge-leaf Hickory-wattle iny Cassinia ickly Bush-pea rved Rice-flower ckly Broom-heath ey Guinea-flower ney-pots anberry Heath airy Sheep's Burr riable Plantain nall St John's Wort mmon Bottle-daisy mmon Raspwort inking Pennywort riable Stinkweed ender Tick-trefoil iny-headed Mat-rush atch Saw-sedge ey Tussock-grass sman Flax-lily ack-anther Flax-lily ngaroo Grass eeping Grass stral Bracken mmon Apple-berry ountain Clematis ining Glycine

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

| LF C | ode |
|------|-----|
|------|-----|

LH LH MH ΜΗ MNG

Typical Weed Species Cirsium vulgare Conyza albida Hypochoeris radicata Centaurium erythraea Aira caryophyllea

Common Name Spear Thistle

- Tall Fleabane Cat's Ear Common Centaury Silvery Hair-grass
- Invasive Impact high high high low high low high low high low

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Monaro Tablelands bioregion

EVC 27: Blackthorn Scrub

Description:

Only found on northerly and westerly slopes of mountains and valleys. Trees are not a prominent feature, often present only as emergents or forming a very open woodland. The small tree or tall shrub layer to 6 m tall is a dominant feature, often forming even-aged stands of uniform height. Stand dynamics can resemble rainforest with long fire-free intervals. The ground layer is generally sparse and species-poor due to low site quality and the density of the overstorey. Vines can be conspicuous in the understorey.

| Canopy Cove | r: | | | |
|----------------|----------------------------------|------|-----------|---------|
| %cover | Character Species | | Commo | n Name |
| 40% | Acacia silvestris | | Red Watt | е |
| | Exocarpos cupressiformis | | Cherry Ba | llart |
| Understorey: | | | | |
| Life form | | #Spp | %Cover | LF code |
| Medium Shruk |) | 8 | 40% | MS |
| Small Shrub | | 1 | 1% | SS |
| Large Herb | | 2 | 1% | LH |
| Medium Herb | | 3 | 5% | MH |
| Large Tufted | Graminoid | 1 | 1% | LTG |
| Medium to Sm | nall Tufted Graminoid | 3 | 5% | MTG |
| Medium to Tir | ny Non-tufted Graminoid | 1 | 1% | MNG |
| Ground Fern | | 1 | 1% | GF |
| Scrambler or (| Climber | 3 | 5% | SC |
| Bryophytes/Li | chens | na | 10% | BL |
| Total unde | rstorey projective foliage cover | | 50% | |

| LF Code | Species typical of at least part of EVC range | Common Name |
|---------|---|-------------------------|
| MS | Philotheca trachyphylla | Rock Wax-flower |
| MS | Cassinia longifolia | Shiny Cassinia |
| MS | Goodenia ovata | Hop Goodenia |
| MS | Platysace lanceolata | Shrubby Platysace |
| MH | Poranthera microphylla | Small Poranthera |
| MTG | Lepidosperma laterale | Variable Sword-sedge |
| MTG | Notodanthonia longifolia | Long-leaf Wallaby-grass |
| MNG | Microlaena stipoides var. stipoides | Weeping Grass |
| GF | Asplenium flabellifolium | Necklace Fern |
| SC | Pandorea pandorana | Wonga Vine |
| SC | Billardiera scandens | Common Apple-berry |

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

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

Weediness:

There are no consistent weeds in this EVC.



EVC 27: Blackthorn Scrub – Monaro Tablelands bioregion

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Monaro Tablelands bioregion

EVC 28: Rocky Outcrop Shrubland

Description:

Occurs in areas of low site quality on exposed rocky outcrops where rock is a dominant landform feature, soils are shallow or virtually absent and effective rainfall is low. Scattered, often stunted trees are occasionally present. A diverse shrub layer to 5 m tall characterises this EVC, including a number of rock-adapted species. The ground layer is usually sparse and species-poor except where it occurs in discrete patches and forms a mosaic with Rocky Outcrop Herbland.

| Understorey: | | | |
|--|------|--------|---------|
| Life form | #Spp | %Cover | LF code |
| Medium Shrub | 7 | 25% | MS |
| Small Shrub | 2 | 5% | SS |
| Prostrate Shrub | 1 | 1% | PS |
| Large Herb | 3 | 5% | LH |
| Medium Herb | 3 | 5% | MH |
| Large Tufted Graminoid | 1 | 5% | LTG |
| Medium to Small Tufted Graminoid | 5 | 10% | MTG |
| Scrambler or Climber | 2 | 1% | SC |
| Bryophytes/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |
| Total understorey projective foliage cover | | 75% | |

| LF Code MS MS MS SS SS LH LH LH MH | Species typical of at least part of EVC range Cassinia longifolia Exocarpos strictus Ozothmanus conditus Ozothamnus rogersianus Olearia iodochroa Hibbertia obtusifolia Senecio tenuiflorus Derwentia perfoliata Gonocarpus tetragynus | Common Name Shiny Cassinia Pale-fruit Ballart Pepper Everlasting Nunniong Everlasting Violet Daisy-bush Grey Guinea-flower Slender Fireweed Digger's Speedwell Common Raspwort Silvatan Wallabu grace |
|---|---|--|
| MH | Gonocarpus tetragynus | Common Raspwort |
| LTG | Joycea pallida | Silvertop Wallaby-grass |
| MTG | Poa sieberiana | Grey Tussock-grass |
| MTG | Lepidosperma laterale | Variable Sword-sedge |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | <i>Dianella revoluta</i> s.l. | Black-anther Flax-lily |

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

10 m/0.1 ha.

Weediness:

| LF Code | Typical Weed Species |
|---------|-----------------------------|
| MH | Hypochoeris radicata |
| MTG | Vulpia bromoides |

Common Name Cat's Ear Squirrel-tail Fescue Invasive high high Impact low low



EVC 28: Rocky Outcrop Shrubland - Monaro Tablelands bioregion

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Monaro Tablelands bioregion

EVC 29: Damp Forest

Description:

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

| Large trees: Species Eucalyptus spp. | | DBH(cm) 90 cm | | ′ha / ha | |
|--|---|--------------------------|------|--------------------|-------------------------------|
| Tree Canopy C | over: | | | | |
| %cover 40% | Character Species <i>Eucalyptus fastigata</i> <i>Eucalyptus obliqua</i> <i>Eucalyptus viminalis</i> | | | Cut-tail | n Name e Stringybark Im |
| Understorey: | | | | | |
| Life form | | # | ⁺Spp | %Cover | LF code |
| Immature Canopy Tree | | | | 5% | IT |
| Understorey Tree or Large Shrub | | 3 | | 15% | Т |
| Medium Shrub | | 1 | 0 | 25% | MS |
| Small Shrub | | 3 | | 5% | SS |
| Large Herb | | 2 | | 1% | LH |
| Medium Herb | | 6 | | 15% | MH |
| Small or Prostra | ite Herb | 1 | | 1% | SH |
| Large Tufted Gr | | 2 | | 5% | LTG |
| Large Non-tufte | | 1 | | 5% | LNG |
| | II Tufted Graminoid | 4 | | 10% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 1 | | 1% | MNG |
| Ground Fern | | 4 | | 20% | GF |
| Tree Fern | | 1 | | 5% | TRF |
| Scrambler or Cl | imber | 3 | | 10% | SC |
| Bryophytes/Lich | iens | n | а | 20% | BL |



EVC 29: Damp Forest – Monaro Tablelands bioregion

| LF Code | Species typical of at least part of EVC range | Comr |
|---------|---|----------|
| Т | Acacia dealbata | Silver \ |
| MS | Coprosma quadrifida | Prickly |
| MS | Leucopogon lanceolatus var. lanceolatus | Lance |
| MS | Goodia lotifolia | Golder |
| MS | Olearia lirata | Snowy |
| SS | Leucopogon hookeri | Mounta |
| SS | Olearia erubescens | Moth D |
| SS | Rubus parvifolius | Small-I |
| PS | Astroloma humifusum | Cranbe |
| PS | Acrotriche serrulata | Honey |
| LH | Senecio minimus | Shrubb |
| LH | Xerochrysum bracteatum | Golder |
| LH | Urtica incisa | Scrub |
| LH | Brachyscome aculeata | Branch |
| MH | Viola hederacea sensu Willis (1972) | Ivy-lea |
| MH | Geranium potentilloides | Cinque |
| MH | Lagenophora stipitata | Comm |
| SH | Lobelia pedunculata s.l. | Matted |
| SH | Leptinella filicula | Mounta |
| SH | Hydrocotyle laxiflora | Stinkin |
| LTG | Lomandra longifolia | Spiny-l |
| LTG | Deyeuxia quadriseta | Reed E |
| MTG | Dianella tasmanica | Tasma |
| MTG | r <i>Poa clivicola</i> | Fine-le |
| MTG | Austrodanthonia penicillata | Slende |
| MTG | Luzula meridionalis var. densiflora | Comm |
| MNG | Microlaena stipoides var. stipoides | Weepii |
| MNG | Echinopogon ovatus | Comm |
| GF | Pteridium esculentum | Austra |
| GF | Polystichum proliferum | Mother |
| GF | <i>Blechnum penna-marina</i> ssp. <i>alpina</i> | Alpine |
| GF | Blechnum nudum | Fishbo |
| TRF | Cyathea australis | Rough |
| SC | Clematis aristata | Mounta |
| SC | Glycine clandestina | Twinin |

mon Name Wattle

y Currant-bush Beard-heath en Tip y Daisy-bush tain Beard-heath Daisy-bush -leaf Bramble perry Heath y-pots by Fireweed en Everlasting Nettle ching Daisy af Violet efoil Cranesbill non Bottle-daisy d Pratia itain Cotula ng Pennywort -headed Mat-rush Bent-grass an Flax-lily eaf Snow-grass er Wallaby-grass non Woodrush ing Grass non Hedgehog-grass al Bracken er Shield-fern e Water-fern one Water-fern h Tree-fern tain Clematis ng Glycine

Recruitment:

Continuous

Organic Litter:

50% cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code

LH MH **Typical Weed Species** Cirsium vulgare Hypochoeris radicata

Common Name Spear Thistle Cat's Ear

Invasive high high

Impact low low

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Monaro Tablelands bioregion

EVC 30: Wet Forest

Description:

Grows on fertile, well-drained loamy soils on a range of geologies and elevation levels within the relatively dry and cold tablelands. 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 Eucalyptus spp | | DBH(cm) 90 cm | #/ha 20 / ha | |
|---|----------------------|-------------------------|------------------------|---------|
| Tree Canopy Cover: | | | | |
| %cover | Character Species | | Commo | n Name |
| 40% | Eucalyptus fastigata | | Cut-tail | |
| Understorey: | | | | |
| Life form | | #Spp | %Cover | LF code |
| Immature Canopy Tree | | •• | 5% | IT |
| Understorey Tree or Large Shrub | | 4 | 20% | Т |
| Medium Shrub | | 7 | 25% | MS |
| Small Shrub | | 3 | 5% | SS |
| Large Herb | | 1 | 1% | LH |
| Medium Herb | | 5 | 15% | MH |
| Small or Prostra | ate Herb | 1 | 1% | SH |
| Large Tufted G | raminoid | 1 | 1% | LTG |
| Large Non-tufte | ed Graminoid | 1 | 1% | LNG |
| Medium to Sma | all Tufted Graminoid | 3 | 5% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 1 | 1% | MNG |
| Ground Fern | | 4 | 30% | GF |
| Tree Fern | | 2 | 15% | TRF |
| Scrambler or Cl | limber | 4 | 10% | SC |
| Bryophytes/Lich | hens | na | 20% | BL |



EVC 30: Wet Forest – Monaro Tablelands bioregion

| LF_Code | Species typical of at least part of EVC range | Common Name |
|-------------|---|-----------------------|
| T | Acacia dealbata | Silver Wattle |
| T | Acacia frigescens | Frosted Wattle |
| T | Olearia argophylla | Musk Daisy-bush |
| T | Bedfordia arborescens | Blanket-leaf |
| MS | Tasmannia lanceolata | Mountain Pepper |
| MS | Leucopogon maccraei | Subalpine Beard-heath |
| MS | Pimelea ligustrina | Tall Rice-flower |
| MS | Polyscias sambucifolia | Elderberry Panax |
| SS | Leucopogon hookeri | Mountain Beard-heath |
| SS | Olearia myrsinoides | Silky Daisy-bush |
| LH | Senecio linearifolius | Fireweed Groundsel |
| LH | Veronica gracilis | Slender Speedwell |
| LH | Senecio pinnatifolius | Variable Groundsel |
| LH | Xerochrysum bracteatum | Golden Everlasting |
| MH | Stellaria flaccida | Forest Starwort |
| MH | <i>Viola hederacea</i> sensu Willis (1972) | Ivy-leaf Violet |
| MH | Lagenophora stipitata | Common Bottle-daisy |
| SH | Sphagnum cristatum | Peat Moss |
| SH | Leptinella filicula | Mountain Cotula |
| SH | Hypericum japonicum | Matted St John's Wort |
| SH | <i>Lobelia pedunculata</i> s.l. | Matted Pratia |
| LTG | Gahnia sieberiana | Red-fruit Saw-sedge |
| LTG | Carex appressa | Tall Sedge |
| LTG | <i>Juncus alexandri</i> ssp. <i>alexandri</i> | Mountain Rush |
| LTG | Deyeuxia brachyathera | Short Bent-grass |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | Juncus planifolius | Broad-leaf Rush |
| MTG | Isolepis subtilissima | Mountain Club-sedge |
| MTG | <i>Poa australis</i> spp. agg. | Tussock Grass |
| MNG | Luzula campestris spp. agg. | Field Woodrush |
| MNG | Empodisma minus | Spreading Rope-rush |
| MNG | Baumea gunnii | Slender Twig-sedge |
| GF | Blechnum wattsii | Hard Water-fern |
| GF | Blechnum nudum | Fishbone Water-fern |
| GF | <i>Blechnum penna-marina</i> ssp. <i>alpina</i> | Alpine Water-fern |
| GF | Grammitis billardierei | Common Finger-fern |
| TRF | Dicksonia antarctica | Soft Tree-fern |
| TRF | Cyathea australis | Rough Tree-fern |
| SC | Člematis aristata | Mountain Clematis |
| | | |
| Recruitment | : | |
| Continuous | | |
| | | |

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code MH MH

Typical Weed Species Hypochoeris radicata Prunella vulgaris

Common Name Cat's Ear Self-heal

Invasive high high

Impact low low

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Monaro Tablelands bioregion

EVC 31: Cool Temperate Rainforest

Description:

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

| Large trees: Species Elaeocarpus/At | herosperma | DBH(cm) 70 cm | #/ha 20 / ha | | |
|--|--|--|---|--|--|
| Tree Canopy C %cover 50% | Cover: Character Species Elaeocarpus holopetalus Atherosperma moschatum | | Bla | ommon Nam ack Oliveberry uthern Sassafra | |
| Understorey: Life form Immature Canc Understorey Tri Medium Shrub Large Herb Medium Herb Ground Fern Tree Fern Epiphyte Scrambler or Cl Bryophytes/Lich | ee or Large Shrub imber | # Spj 2 2 2 2 6 2 2 2 2 2 1 3 1 3 | p %C 5% 20% 5% 10% 5% 25% 25% 5% 1% 20% | MS LH GF TRF EP SC | de |
| LF Code T T MS MS MS LH LH LH MH MH MH MH MTG MNG GF GF GF GF GF F F F F F F F SC SC SC | Species typical of at least Telopea oreades Notelaea ligustrina Pittosporum bicolor Coprosma quadrifida Tasmannia lanceolata Leucopogon maccraei Urtica incisa Sambucus gaudichaudiana Australina pusilla ssp. muelleri Stellaria flaccida Viola hederacea sensu Willis (19 Dianella tasmanica Deyeuxia rodwayi Polystichum proliferum Histiopteris incisa Grammitis billardierei Asplenium bulbiferum ssp. grach Dicksonia antarctica Hymenophyllum flabellatum Fieldia australis Clematis aristata Parsonsia brownii | 72) | nge | Common N Gippsland Wa Privet Mock-o Banyalla Prickly Curran Mountain Pep Subalpine Bea Scrub Nettle White Elderbe Shade Nettle Forest Starwo Ivy-leaf Violet Tasman Flax- Tasman Bent- Mother Shield Bat's Wing Fe Common Fing Mother Spleet Soft Tree-ferr Shiny Filmy Fi Fieldia Mountain Cler Twining Silkpu | iratah live nt-bush per ard-heath erry ort t grass l-fern rn ger-fern nwort n ern matis |



EVC 31: Cool Temperate Rainforest – Monaro Tablelands bioregion

Recruitment:

Continuous

Organic Litter: 50 % cover

Logs: 20 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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Monaro Tablelands Bioregion

EVC 33: Cool Temperate Rainforest/Warm Temperate Rainforest

Description:

Closed forest to 20m tall restricted to deeply incised river valleys of moderate gradient and associated steep gullies in rugged mountain country on a variety of southerly aspects at an elevation of 650 to 750 m. Dominated by a range of non-eucalypt canopy species above an understorey of smaller trees and shrubs and usually visually dominated by ferns and climbers.

Large Trees:

| Species | | DBH(cm) | | #/ha | |
|--|--|---|------|----------------|---------|
| Acmena/Elaeocarpus/Atherosperma/Pomad erris | | 70 cm | | 20 / ha | |
| Tree Canop | oy Cover: | | | | |
| %cover 50% | Character Species Acmena smithii Atherosperma moschatum Elaeocarpus holopetalus Pomaderris aspera | Common Name Lilly Pilly Southern Sassafras Black Oliveberry Hazel Pomaderris | | safras erry | |
| Understore | у: | | | | |
| Lifeform | | | #Spp | %Cover | LF Code |
| Immature Canopy Tree | | | | 5% | IT |
| Understorey | Tree or Large Shrub | | 5 | 25% | т |
| Medium Shr | ub | | 6 | 15% | MS |
| Large Herb | | | 2 | 1% | LH |
| Medium Her | b | | 3 | 5% | MH |
| Small or Pro | strate Herb | | 1 | 1% | SH |
| Large Tufted | d Graminoid | | 2 | 1% | LTG |
| Large Non-T | ufted Graminoid | | 2 | 1% | LNG |
| Medium to S | Small Tufted Graminoid | | 2 | 5% | MTG |
| Ground Ferr | 1 | | 8 | 25% | GF |
| Tree Fern | | | 3 | 20% | TF |
| Epiphyte | | | 4 | 5% | EP |
| Scrambler o | r Climber | | 7 | 20% | SC |
| Bryophytes/ | Lichens | | | 20% | BL |
| | | | | | |



EVC 33: Cool Temperate Rainforest/Warm Temperate Rainforest Overlap

| LF Code | | Species typical of at least part of EVC range | Common Name |
|---------|---|---|----------------------|
| т | | Acacia melanoxylon | Blackwood |
| Т | v | Eucryphia moorei | Eastern Leatherwood |
| Т | | Pittosporum bicolor | Banyalla |
| Т | | Rapanea howittiana | Mutton-wood |
| MS | | Coprosma quadrifida | Prickly Currant-bush |
| MS | | Hedycarya angustifolia | Austral Mulberry |
| MS | | Tasmannia lanceolata | Mountain Pepper |
| MS | | Telopea oreades | Gippsland Waratah |
| MH | | Australina pusilla subsp. muelleri | Shade Nettle |
| MH | | Viola hederacea sensu Willis (1972) | Ivy-leaf Violet |
| GF | | Blechnum cartilagineum | Gristle Fern |
| GF | | Blechnum patersonii subsp. patersonii | Strap Water-fern |
| GF | | Lastreopsis acuminata | Shiny Shield-fern |
| GF | | Polystichum proliferum | Mother Shield-fern |
| TF | v | Cyathea X marcescens | Skirted Tree-fern |
| TF | | Cyathea australis | Rough Tree-fern |
| TF | v | Cyathea cunninghamii | Slender Tree-fern |
| TF | | Dicksonia antarctica | Soft Tree-fern |
| EP | | Fieldia australis | Fieldia |
| EP | | Grammitis billardierei | Common Finger-fern |
| EP | | Hymenophyllum australe | Austral Filmy-fern |
| EP | | Microsorum pustulatum subsp. pustulatum | Kangaroo Fern |
| EP | | Microsorum scandens | Fragrant Fern |
| SC | | Clematis aristata | Mountain Clematis |
| SC | | Eustrephus latifolius | Wombat Berry |
| SC | | Marsdenia rostrata | Milk Vine |
| SC | | Smilax australis | Austral Sarsaparilla |

Recruitment:

Continuous.

Organic Litter:

50 % cover

Logs:

20 m/0.1ha.

Weediness: There are no consistent weeds in this EVC

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Monaro Tablelands bioregion

EVC 35: Tableland Damp Forest

Description:

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, gently south-facing slopes and in gully heads on northern or western slopes in low relief montane areas. It occupies the transition zone between the Tablelands and the escarpment of the Highlands - Far East and can be extensive on virtually flat areas between Montane Dry Woodland and Wet Forest.

| Large trees: Species Eucalyptus spp. | | DBH(cm) 90 cm | 1 | #/ha 20 / ha | | |
|--|--|-------------------------|------|------------------------|----------|------------|
| Tree Canopy C | over: | | | | | |
| %cover 40% | Character Species <i>Eucalyptus croajingolensis</i> <i>Eucalyptus dalrympleana</i> <i>Eucalyptus denticulata</i> | | | | Mountain | Peppermint |
| Understorey: | | | | | | |
| Life form | | | #Spp |) | %Cover | LF code |
| Immature Canopy Tree | | | | | 5% | IT |
| Understorey Tre | e or Large Shrub | | 3 | | 20% | Т |
| Medium Shrub | | | 7 | | 20% | MS |
| Small Shrub | | | 2 | | 10% | SS |
| Large Herb | | | 2 | | 5% | LH |
| Medium Herb | | | 8 | | 15% | MH |
| Small or Prostra | te Herb | | 2 | | 15% | SH |
| Large Tufted Gr | aminoid | | 1 | | 5% | LTG |
| Large Non-tufte | | | 1 | | 1% | LNG |
| Medium to Sma | II Tufted Graminoid | | 3 | | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | | | 1 | | 5% | MNG |
| Ground Fern | | | 2 | | 5% | GF |
| Scrambler/Climb | ber | | 1 | | 1% | SC |
| Bryophytes/Lich | ens | | na | | 20% | BL |



EVC 35: Tableland Damp Forest – Monaro Tablelands bioregion

| LF Code | Species typical of at least part of EVC range |
|---------|--|
| Т | Telopea oreades |
| Т | Acacia melanoxylon |
| MS | Persoonia silvatica |
| MS | <i>Tasmannia xerophila</i> ssp. <i>robusta</i> |
| MS | Tasmannia lanceolata |
| MS | Leucopogon maccraei |
| SS | Leucopogon hookeri |
| LH | Senecio linearifolius |
| LH | Brachyscome aculeata |
| LH | Drymophila cyanocarpa |
| MH | Viola hederacea sensu Willis (1972) |
| MH | Lagenophora stipitata |
| MH | Acaena novae-zelandiae |
| MH | Gonocarpus tetragynus |
| SH | Leptinella filicula |
| SH | Lobelia pedunculata s.l. |
| LTG | Deyeuxia quadriseta |
| LNG | Tetrarrhena juncea |
| MTG | Dianella tasmanica |
| MTG | Dichelachne rara |
| MTG | Luzula meridionalis var. flaccida |
| MNG | Microlaena stipoides var. stipoides |
| GF | Pteridium esculentum |
| GF | Polystichum proliferum |
| SC | Clematis aristata |

Common Name

Gippsland Waratah Blackwood Forest Geebung Errinundra Pepper Mountain Pepper Subalpine Beard-heath Mountain Beard-heath **Fireweed Groundsel** Branching Daisy **Turquoise Berry** Ivy-leaf Violet **Common Bottle-daisy** Bidgee-widgee Common Raspwort Mountain Cotula Matted Pratia **Reed Bent-grass** Forest Wire-grass Tasman Flax-lily Common Plume-grass Common Woodrush Weeping Grass Austral Bracken Mother Shield-fern Mountain Clematis

Recruitment:

Continuous

Organic Litter: 50 % cover

Logs:

30 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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Monaro Tablelands bioregion

EVC 36: Montane Dry Woodland

Description:

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

| Large trees: Species Eucalyptus spp. | | DBH(cm) 60 cm | #/ 15 / | | |
|--|--|-------------------------|--------------------|-------------------------|----------------------------------|
| Tree Canopy Cover: | | | | | |
| %cover 20% | Character Species <i>Eucalyptus croajingolensis</i> <i>Eucalyptus rubida</i> <i>Eucalyptus dives</i> | | | Gippsland Candlebarl | Peppermint < ed Peppermint |
| Understorey: | | | | | |
| Life form | | # | ⁺Spp | %Cover | LF code |
| Immature Cano | py Tree | | | 5% | IT |
| Understorey Tre | e or Large Shrub | 2 | | 10% | Т |
| Medium Shrub | | 7 | | 30% | MS |
| Small Shrub | | 4 | | 10% | SS |
| Large Herb | | 2 | | 5% | LH |
| Medium Herb | | 1(| - | 15% | MH |
| Small or Prostra | te Herb | 3 | | 5% | SH |
| Large Tufted Gr | | 2 | | 5% | LTG |
| | II Tufted Graminoid | 6 | | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 2 | | 5% | MNG |
| Ground Fern | | 2 | | 5% | GF |
| Scrambler or Cli | | 1 | | 1% | SC |
| Bryophytes/Lich | ens | na | а | 10% | BL |
| Soil Crust | | na | а | 10% | S/C |



EVC 36: Montane Dry Woodland - Monaro Tablelands bioregion

LF Code Species typical of at least part of EVC range **Common Name** Т Acacia dealbata Silver Wattle r Persoonia silvatica Forest Geebung MS Prickly Currant-bush MS Coprosma quadrifida Epacris impressa MS Common Heath MS Tasmannia lanceolata Mountain Pepper Leucopogon hookeri Mountain Beard-heath SS SS Tetratheca bauerifolia Heath Pink-bells SS Olearia erubescens Moth Daisy-bush SS Hibbertia obtusifolia Grey Guinea-flower Shrubby Fireweed LH Senecio minimus Viola hederacea sensu Willis (1972) Ivy-leaf Violet MH Small Poranthera MH Poranthera microphylla **Common Raspwort** MH Gonocarpus tetragynus MH Lagenophora stipitata Common Bottle-daisy Leptinella filicula Mountain Cotula SH SH Lobelia pedunculata s.l. Matted Pratia SH Hydrocotyle laxiflora Stinking Pennywort LTG Lomandra longifolia Spiny-headed Mat-rush MTG Dianella tasmanica Tasman Flax-lily Grey Tussock-grass MTG Poa sieberiana Stylidium graminifolium s.l. Grass Trigger-plant MTG Sword Tussock-grass MTG Poa ensiformis MNG Microlaena stipoides var. stipoides Weeping Grass GF Austral Bracken Pteridium esculentum GF Polystichum proliferum Mother Shield-fern SC Clematis aristata Mountain Clematis **Recruitment:** Continuous Organic Litter: 20 % cover Logs:

15 m/0.1 ha.

Weediness:

LF Code MH

Typical Weed Species Hypochoeris radicata

Common Name Cat's Ear

Invasive high

Impact low

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EVC/Bioregion Benchmark for Vegetation Quality Assessment Monaro Tablelands bioregion

EVC 37: Montane Grassy Woodland

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) 60 cm | #/ha 15 / ha | | |
|--|--|---|---|---|---|
| Tree Canopy C %cover 20% | Cover: Character Species Eucalyptus dives Eucalyptus rubida | | Bro | ommon Nar oad-leaved Pep ndlebark | |
| Medium Shrub Small Shrub Prostrate Shrub Large Herb Medium Herb Small or Prostra Large Tufted Gi Medium to Sma | ee or Large Shrub ate Herb raminoid Il Tufted Graminoid v Non-tufted Graminoid imber | # Spj 1 2 3 1 1 1 8 2 1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | %C 5% 10% 5% 1% 20% 5% 5% 5% 5% 5% 5% 1% 10% 10% | SS PS LH MH SH LTG MNG GF SC BL | |
| LF Code T MS MS SS SS SS PS LH MH MH MH SH SH LTG MTG MTG MTG MTG MTG MTG MTG SF SC | Species typical of at least Acacia dealbata Pultenaea juniperina s.l. Epacris impressa Leucopogon hookeri Tetratheca bauerifolia Hibbertia obtusifolia Acrotriche serrulata Wahlenbergia stricta Gonocarpus tetragynus Hydrocotyle hirta Helichrysum scorpioides Hydrocotyle sibthorpioides Chiloglottis gunnii s.l. Lomandra longifolia Stylidium graminifolium s.l. Luzula meridionalis var. meridion Diplarrena moraea Poa sieberiana Microlaena stipoides var. stipoid Pteridium esculentum Clematis aristata | nalis | nge | Common Silver Wattle Prickly Bush Common He Mountain Be Heath Pink-I Grey Guinea Honey-pots Tall Bluebell Common Ra Hairy Penny Button Everd Shining Penny Common Bir Spiny-heade Grass Trigge Common We White Iris Grey Tussoo Weeping Gra Austral Brac Mountain Cle | e -pea eath eard-heath bells a-flower wort lasting nywort rd-orchid ed Mat-rush er-plant boodrush ek-grass ass ken |



Recruitment:

Continuous.

Organic Litter: 20 % cover

Loas:

15 m/0.1 ha.

Weediness:

LF Code LH MH

Typical Weed Species Cirsium vulgare Hypochoeris radicata

Common Name Spear Thistle Cat's Ear

Invasive high high

Impact high low

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Monaro Tablelands bioregion

EVC 38: Montane Damp Forest

Description:

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

| Large trees: Species Eucalyptus spp |). | DBH(cm) 90 cm | #/h a 20 / h | - | |
|---|--|-------------------------|------------------------|-------------------------------------|-----------------|
| Tree Canopy %cover | Cover: Character Species | | | Commo | n Name |
| 40% | <i>Eucalyptus delegatensis</i> ssp. <i>del</i> <i>Eucalyptus croajingolensis</i> <i>Eucalyptus obliqua</i> <i>Eucalyptus radiata</i> s.l. | legatensis | | Alpine Ash Gippsland Messmate | n Peppermint |
| Understorey: | | | | | |
| Life form | | # | #Spp | %Cover | LF code |
| Immature Can | opy Tree | | | 5% | IT |
| | ree or Large Shrub | 3 | | 20% | Т |
| Medium Shrub | | 7 | | 25% | MS |
| Small Shrub | | 2 | - | 5% | SS |
| Large Herb | | 3 | | 5% | LH |
| Medium Herb | | 8 | | 15% | MH |
| Small or Prostr | rate Herb | 2 | 2 | 5% | SH |
| Large Tufted C | | 1 | | 1% | LTG |
| Medium to Small Tufted Graminoid | | 6 | | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 1 | | 1% | MNG |
| Ground Fern | | 2 | | 10% | GF |
| Tree Fern | | 1 | | 1% | TRF |
| Scrambler or C | | 1 | | 5% | SC |
| Bryophytes/Lic | chens | n | ia | 20% | BL |



EVC 38: Montane Damp Forest - Monaro Tablelands bioregion

| | | | 0 N |
|----------|----|---|---|
| LF Code | | Species typical of at least part of EVC range | Common Name Silver Wattle |
| T | | | |
| T | | Pittosporum bicolor Telopea oreades | Banyalla Gippsland Waratah |
| T | r | , | |
| MS | Rr | Podocarpus lawrencei ssp. nov. (Goonmirk Rocks) Tasmannia xerophila ssp. robusta | Errinundra Plum-pine Errinundra Pepper |
| MS | КI | Leucopogon maccraei | Subalpine Beard-heath |
| MS | | Tasmannia lanceolata | Mountain Pepper |
| MS | | Olearia phlogopappa | Dusty Daisy-bush |
| SS | | Hibbertia obtusifolia | Grey Guinea-flower |
| PS | | | |
| PS PS | | Persoonia chamaepeuce Platylobium formosum | Dwarf Geebung Handsome Flat-pea |
| PS PS | | Acrotriche serrulata | • |
| PS LH | | | Honey-pots |
| LH | | Sambucus gaudichaudiana | White Elderberry |
| LH | | Derwentia perfoliata | Digger's Speedwell Rough Fireweed |
| LH | | Senecio hispidulus Derwentia derwentiana | 0 |
| сн МН | | | Derwent Speedwell |
| MH | | Lagenophora stipitata | Common Bottle-daisy |
| MH | | Geranium potentilloides | Cinquefoil Cranesbill |
| MH | | <i>Viola hederacea</i> sensu Willis (1972) <i>Stellaria flaccida</i> | Ivy-leaf Violet |
| SH | | | Forest Starwort |
| | | Leptinella filicula | Mountain Cotula |
| SH SH | | Lobelia pedunculata s.l. | Matted Pratia |
| SH | | Hydrocotyle laxiflora | Stinking Pennywort |
| | | Scleranthus biflorus s.l. | Twin-flower Knawel |
| LTG | | Lomandra longifolia | Spiny-headed Mat-rush |
| LTG | | Poa helmsii | Tall Tussock-grass |
| MTG | r | | River Hook-sedge |
| MTG | | Dianella tasmanica | Tasman Flax-lily |
| MTG | | Carex breviculmis | Common Grass-sedge |
| MNG | | Microlaena stipoides var. stipoides | Weeping Grass |
| GF | | Pteridium esculentum | Austral Bracken |
| GF | | Polystichum proliferum | Mother Shield-fern |
| GF | | Histiopteris incisa | Bat's Wing Fern |
| TRF | | Dicksonia antarctica | Soft Tree-fern |
| SC | | Clematis aristata | Mountain Clematis |

nd Waratah dra Plum-pine dra Pepper ne Beard-heath in Pepper aisy-bush uinea-flower Geebung me Flat-pea pots Iderberry Speedwell ireweed t Speedwell n Bottle-daisy oil Cranesbill Violet Starwort in Cotula Pratia

Recruitment:

Continuous

Organic Litter:

50 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code Typical Weed Species

| MH | Hypochoeris radicata |
|-----|--------------------------------|
| MH | Taraxacum officinale spp. agg. |
| LNG | Holcus lanatus |

Common Name

Cat's Ear Garden Dandelion Yorkshire Fog

Invasive Impact high low high low high high

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Monaro Tablelands bioregion

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 Eucalyptus spp |). | DBH(cm) 90 cm | #/ha 20 / ha | | |
|--|--|-------------------------|------------------------|---|---|
| Tree Canopy (| Cover: | | | | |
| %cover 40% | Character Species Eucalyptus delegatensis ssp. dele | egatensis | - | ommor Ipine Ash | n Name |
| Understorey: | | | | | |
| Life form | | #Sp | p %(| Cover | LF code |
| Immature Can | opy Tree | | 5% | | IT |
| | ee or Large Shrub | 5 | 30% | 6 | Т |
| Medium Shrub | 5 | 5 | 25% | 6 | MS |
| Small Shrub | | 1 | 1% | | SS |
| Medium Herb | | 3 | 5% | | MH |
| Large Tufted G | Graminoid | 1 | 1% | | LTG |
| Large Non-tuft | ed Graminoid | 1 | 1% | | LNG |
| | all Tufted Graminoid | 2 | 10% | - | MTG |
| Ground Fern | | 4 | 30% | | GF |
| Tree Fern | | 2 | 10% | | TRF |
| Scrambler or Climber | | 1 | 1% | | SC |
| Bryophytes/Lic | hens | na | 20% | 6 | BL |
| LF Code T T T MS MS MS MS MS MH MH LTG LNG LNG LNG MTG MTG MTG GF GF GF GF GF GF TRF SC | Species typical of at least Acacia dealbata Acacia frigescens Telopea oreades Elaeocarpus holopetalus Polyscias sambucifolia Prostanthera lasianthos Tasmannia lanceolata Coprosma hirtella Stellaria flaccida Viola hederacea sensu Willis (197 Sambucus gaudichaudiana Gahnia sieberiana Tetrarrhena juncea Dianella tasmanica Poa ensiformis Hierochloe rariflora Polystichum proliferum Blechnum wattsii Histiopteris incisa Pteridium esculentum Dicksonia antarctica Clematis aristata | | ange | Silver Froste Gippsl Black Elder Victor Mount Rough Forest Ivy-le White Red-fr Forest Tasma Sword Cane Mothe Hard V Bat's V Austra Soft T | mon Name Wattle Wattle land Waratah Oliveberry berry Panax ian Christmas-bush tain Pepper n Coprosma t Starwort af Violet Elderberry ruit Saw-sedge t Wire-grass an Flax-lily I Tussock-grass Holy-grass er Shield-fern Water-fern Wing Fern al Bracken iree-fern tain Clematis |



EVC 39: Montane Wet Forest - Monaro Tablelands bioregion

Recruitment: Continuous

Organic Litter: 50 % cover

Logs: 30 m/0.1 ha.

Weediness:

There are no consistent weeds in this EVC.

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Monaro Tablelands bioregion

EVC 40: Montane Riparian Woodland

Description:

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.

| Vice Character Species Common Name 10% Eucalyptus rubida Candlebark Eucalyptus camphora ssp. humeana Mountain Swamp-gu Eucalyptus stellulata Black Sallee | |
|---|----|
| 10%Eucalyptus rubida Eucalyptus camphora ssp. humeanaCandlebark Mountain Swamp-gu | |
| | ım |
| Understorey: | |
| Life form #Spp %Cover LF code | е |
| Immature Canopy Tree 5% IT | |
| Understorey Tree or Large Shrub 1 10% T | |
| Medium Shrub 3 15% 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 1 1% GF | |
| Scrambler or Climber 1 1% SC | |
| Bryophytes/Lichens na 20% BL | |

Recruitment:

Continuous.

Organic Litter:

40 % cover

Logs:

15 m/0.1 ha.



| LF Code | Species typical of at least par | t of EVC range | Common | Name | |
|------------|--|------------------------|--------------|------------|--------|
| Т | Leptospermum grandifolium | | Mountain T | ea-tree | |
| MS | Baeckea gunniana | | Alpine Baec | kea | |
| MS | Leptospermum myrtifolium | | Myrtle Tea- | tree | |
| MS | Pimelea axiflora | | Bootlace Bu | Ish | |
| SS | Hovea heterophylla | | Common He | ovea | |
| SS | Leucopogon hookeri | | Mountain B | eard-heath | |
| SS | Epacris microphylla s.l. | | Coral Heath | 1 | |
| SS | Rubus parvifolius | | Small-leaf E | Bramble | |
| LH | Villarsia reniformis | | Running Ma | | |
| LH | Veronica gracilis | | Slender Spe | | |
| LH | Senecio hispidulus | | Rough Firev | | |
| MH | Asperula pusilla | | Alpine Woo | | |
| MH | Asperula gunnii | | Mountain W | | |
| MH | Geranium potentilloides | | Cinquefoil C | | |
| SH | Dichondra repens | | Kidney-wee | | |
| SH | Ranunculus amphitrichus | | Small River | | |
| | r <i>Gratiola nana</i> | | Matted Broo | • | |
| SH | Scleranthus biflorus s.l. | | Twin-flower | | |
| LTG | Deveuxia quadriseta | | Reed Bent- | | |
| | r Scirpus polystachyus | | | Club-sedge | |
| LTG | Juncus gregiflorus | | Green Rush | 5 | |
| LTG | Carex longebrachiata | | | | |
| | | | Bergalia Tu | SSOCK | |
| MTG | Carex gaudichaudiana | | Fen Sedge | | |
| MTG | Lachnagrostis filiformis | | Common Bl | | |
| MTG | <i>Lachnagrostis aemula</i> s.l. | | Leafy Blown | | |
| MTG | Carex blakei | | Alpine Sedg | | |
| MNG | Isolepis crassiuscula | | Alpine Club | | |
| MNG | Baumea gunnii | | Slender Twi | 5 5 | |
| MNG | Baloskion australe | | Mountain C | | |
| MNG | Luzula campestris spp. agg. | | Field Wood | | |
| GF | Polystichum proliferum | | Mother Shie | | |
| GF | Blechnum minus | | Soft Water- | fern | |
| Weed week | | | | | |
| Weediness: | | a N | | . . | |
| LF Code | Typical Weed Species | Common Name | | Invasive | Impact |
| MS | Rosa rubiginosa | Sweet Briar | | high | 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 | low |
| MH | Trifolium dubium | Suckling Clover | | high | low |
| MH | Cerastium glomeratum s.I. | Common Mouse-ear Chick | weed | high | low |
| MH | <i>Taraxacum officinale</i> 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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Monaro Tablelands bioregion

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 Eucalyptus spp. | | DBH(cm) 50 cm | #/ha 15 / ha | | |
|--|---|--|--|--|---|
| Tree Canopy Co %cover 15% | over: Character Species Eucalyptus pauciflora | | Com Snow | mon N Gum | lame |
| Medium Shrub Small Shrub Large Herb Medium Herb Small or Prostra Medium to Smal | e or Large Shrub te Herb II Tufted Graminoid Non-tufted Graminoid | #Sp 1 5 2 3 8 2 4 1 1 1 na na | p %Cc 5% 20% 10% 20% 5% 20% 5% 1% 20% 1% | | LF code IT T MS SS LH MH SH MTG MNG GF BL S/C |
| T MS MS SS LH MH MH MH MH MTG MTG MTG MTG | Species typical of at least Acacia obliquinervia Podolobium alpestre Olearia phlogopappa Tasmannia xerophila Leucopogon hookeri Senecio gunnii Stellaria pungens Oreomyrrhis eriopoda Viola betonicifolia ssp. betonicifo Asperula gunnii Stylidium graminifolium s.l. Dianella tasmanica Poa australis spp. agg. Carex breviculmis Polystichum proliferum | | nge | Mounta Alpine Dusty I Alpine Mounta Prickly Austral Showy Mounta Grass T Tasmal Tussoc Commo | ain Beard-heath ain Fireweed Starwort ian Caraway |



Recruitment:

Continuous

Organic Litter:

20 % cover Logs:

10 m/0.1 ha.

Weediness:

LF Code MH

MH

Typical Weed Species Acetosella vulgaris Hypochoeris radicata

Common Name Sheep Sorrel Cat's Ear

Invasive high high

Impact high low

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Monaro Tablelands bioregion

EVC 47: Valley Grassy Forest

Description:

Valley Grassy Forest occurs under moderate rainfall regimes of 700-800 mm per annum on fertile well-drained colluvial or alluvial soils on gently undulating lower slopes and valley floors. Open forest to 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 Eucalyptus spp. | | DBH(cm) 70 cm | #/ha 20 / h | - | |
|--|---|-------------------------|-----------------------|--|---------|
| Tree Canopy C | | | | | |
| %cover 20% | Character Species Eucalyptus elata Eucalyptus viminalis | | | Commo River Pep Manna Gu | |
| Understorey: | | | | | |
| Life form | | # | Spp | %Cover | LF code |
| Immature Canopy Tree | | | | 5% | IT |
| Understorey Tree or Large Shrub | | 3 | | 15% | Т |
| Medium Shrub | | 7 | | 25% | MS |
| Small Shrub | | 1 | | 1% | SS |
| Prostrate Shrub | | 2 | | 1% | PS |
| Large Herb | | 3 | | 5% | LH |
| Medium Herb | | 10 | | 20% | MH |
| Small or Prostra | te Herb | 3 | | 5% | SH |
| Large Tufted Graminoid | | 3 | | 15% | LTG |
| Medium to Small Tufted Graminoid | | 5 | | 20% | MTG |
| Medium to Tiny Non-tufted Graminoid | | 2 | | 5% | MNG |
| Ground Fern | | 2 | | 5% | GF |
| Scrambler or Cli | mber | 5 | | 5% | SC |
| Bryophytes/Lich | ens | na | | 20% | BL |



EVC 47: Valley Grassy Forest – Monaro Tablelands bioregion

| LF Code | Species typical of at least part of EVC range | Common Name |
|---------|---|-----------------------|
| T | Acacia melanoxylon | Blackwood |
| Ť | Acacia mearnsii | Black Wattle |
| MS | Kunzea ericoides | Burgan |
| MS | Exocarpos strictus | Pale-fruit Ballart |
| MS | Pultenaea juniperina s.l. | Prickly Bush-pea |
| MS | Coprosma quadrifida | Prickly Currant-bush |
| SS | Hibbertia obtusifolia | Grey Guinea-flower |
| PS | Astroloma humifusum | Cranberry Heath |
| PS | Acrotriche serrulata | Honey-pots |
| LH | Wahlenbergia gracilis s.l. | Sprawling Bluebell |
| LH | Senecio tenuiflorus | Slender Fireweed |
| LH | Acaena ovina | Australian Sheep's Bu |
| LH | Senecio linearifolius | Fireweed Groundsel |
| MH | Lagenophora stipitata | Common Bottle-daisy |
| MH | Gonocarpus tetragynus | Common Raspwort |
| MH | Hydrocotyle hirta | Hairy Pennywort |
| MH | Veronica calycina | Hairy Speedwell |
| SH | Dichondra repens | Kidney-weed |
| SH | Desmodium gunnii | Southern Tick-trefoil |
| SH | Cymbonotus preissianus | Austral Bear's-ear |
| SH | Leptostigma reptans | Dwarf Nertera |
| LTG | Lomandra longifolia | Spiny-headed Mat-rus |
| LTG | Austrostipa rudis | Veined Spear-grass |
| MTG | Lepidosperma laterale | Variable Sword-sedge |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | Themeda triandra | Kangaroo Grass |
| MTG | <i>Poa australis</i> spp. agg. | Tussock Grass |
| MNG | Microlaena stipoides var. stipoides | Weeping Grass |
| MNG | Echinopogon ovatus | Common Hedgehog-g |
| GF | Pteridium esculentum | Austral Bracken |
| SC | Glycine clandestina | Twining Glycine |
| SC | Clematis aristata | Mountain Clematis |
| SC | Billardiera scandens | Common Apple-berry |
| | | |

urr ısh е grass

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

| LF Code | Typical Weed Species |
|---------|---------------------------------|
| MS | Rubus fruticosus spp. agg. |
| MS | Prunus spp. |
| MS | Rosa rubiginosa |
| LH | Cirsium vulgare |
| MH | Hypochoeris radicata |
| MH | Centaurium erythraea |
| MH | <i>Gamochaeta purpurea</i> s.l. |
| LNG | Holcus lanatus |

| Common Name | Invasive | Impact |
|-----------------|----------|--------|
| Blackberry | high | high |
| Cherry Plum | low | high |
| Briar Rose | low | high |
| Spear Thistle | high | high |
| Cat's Ear | high | low |
| Common Centaury | high | low |
| Purple Cudweed | high | low |
| Yorkshire Fog | high | high |

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