

### EVC/Bioregion Benchmark for Vegetation Quality Assessment

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.

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| --- | --- | --- |
| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  80 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Eucalyptus fastigata  Eucalyptus viminalis | Cut-tail  Manna Gum |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form**  Immature Canopy Tree | **#Spp** | **%Cover**  5% | **LF code**  IT |
| Understorey Tree or Large Shrub | 2 | 20% | T |
| Medium Shrub | 3 | 5% | MS |
| Small Shrub | 3 | 5% | SS |
| Prostrate Shrub | 1 | 1% | PS |
| Large Herb | 2 | 5% | LH |
| Medium Herb | 21 | 15% | MH |
| Small or Prostrate Herb | 9 | 10% | SH |
| Large Tufted Graminoid | 3 | 5% | LTG |
| Medium to Small Tufted Graminoid | 5 | 10% | MTG |
| Medium to Tiny Non-tufted Graminoid | 3 | 10% | MNG |
| Ground Fern | 3 | 10% | GF |
| Scrambler or Climber | 3 | 1% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

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| EVC 18: Riparian Forest - Monaro Tablelands bioregion | |
|  | **LF Code Character Species Common Name**  T Acacia melanoxylon Blackwood  T 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 Ranunculus plebeius 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 Oxalis corniculata 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 Poa clivicola Fine-leaf Snow-grass  MTG Poa ensiformis Sword Tussock-grass  MNG Poa tenera Slender Tussock-grass  MNG Microlaena stipoides var. stipoides 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 Common Name Invasive Impact**  SS Rubus sp. aff. armeniacus Blackberry high high LH Cirsium vulgare Spear Thistle high high  MH Hypochoeris radicata Cat's Ear high low  MH Taraxacum officinale spp. agg. Garden Dandelion high low SH Trifolium repens var. repens White Clover high high  LNG Holcus lanatus Yorkshire Fog high high  Published by the Victorian Government Department of Sustainability and Environment May 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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.

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| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  60 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 30% | Eucalyptus dives  Eucalyptus rubida | Broad-leaved Peppermint  Candlebark |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 1 | 10% | T |
| Medium Shrub | 6 | 30% | MS |
| Small Shrub | 4 | 10% | SS |
| Prostrate Shrub | 1 | 1% | PS |
| Large Herb | 1 | 5% | LH |
| Medium Herb | 2 | 5% | MH |
| Small or Prostrate Herb | 1 | 1% | SH |
| Large Tufted Graminoid | 1 | 5% | LTG |
| Medium to Small Tufted Graminoid | 3 | 10% | MTG |
| Medium to Tiny Non-tufted Graminoid | 1 | 1% | MNG |
| Bryophytes/Lichens | na | 10% | BL |
| **Total understorey projective foliage cover** |  | **60%** |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **LF Code**  T |  | **Species typical of at least part of EVC range**  Acacia dealbata | **Common Name**  Silver Wattle |
| MS |  | Daviesia ulicifolia | Gorse Bitter-pea |
| MS |  | Daviesia mimosoides s.l. | Blunt-leaf Bitter-pea |
| MS |  | Leucopogon lanceolatus var. lanceolatus | Lance Beard-heath |
| MS | r | Persoonia silvatica | Forest Geebung |
| SS |  | Tetratheca bauerifolia | Heath Pink-bells |
| SS |  | Leucopogon hookeri | Mountain Beard-heath |
| SS |  | Hibbertia obtusifolia | Grey Guinea-flower |
| SS |  | Podolobium procumbens | Trailing Podolobium |
| PS |  | Persoonia chamaepeuce | Dwarf Geebung |
| LH |  | Senecio minimus | Shrubby Fireweed |
| LH |  | Wahlenbergia stricta | Tall Bluebell |
| LH |  | Brachyscome aculeata | Branching Daisy |
| MH |  | Viola betonicifolia ssp. betonicifolia | Showy Violet |
| MH |  | Viola hederacea sensu Willis (1972) | Ivy-leaf Violet |
| MH |  | Veronica calycina | Hairy Speedwell |
| SH |  | Lobelia pedunculata s.l. | Matted Pratia |
| SH |  | Hydrocotyle laxiflora | Stinking Pennywort |
| LTG |  | Lomandra longifolia | Spiny-headed Mat-rush |
| MTG |  | Joycea pallida | Silvertop Wallaby-grass |
| MTG |  | Dianella tasmanica | Tasman Flax-lily |
| MTG | r | Poa clivicola | Fine-leaf Snow-grass |
| MTG |  | Dianella revoluta s.l. | Black-anther Flax-lily |
| MNG |  | Microlaena stipoides var. stipoides | Weeping Grass |

Ecological Vegetation Class bioregion benchmark

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| EVC 21: Shrubby Dry Forest - Monaro Tablelands bioregion | |
|  | **Recruitment:**  Episodic/Fire. Desirable period between disturbances is 20 years.  **Organic Litter:**  20 % cover  **Logs:**  20 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  LH Cirsium vulgare Spear Thistle high low  MH Hypochoeris radicata Cat's Ear high low  MH Prunella vulgaris Self-heal high low SH Trifolium repens var. repens White Clover high low  LNG Holcus lanatus Yorkshire Fog high low  Published by the Victorian Government Department of Sustainability and Environment May 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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.

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| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  60 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

**%cover Character Species Common Name**

|  |  |  |
| --- | --- | --- |
| 30% | Eucalyptus nortonii | Silver Bundy |
|  | Eucalyptus bridgesiana s.l. | But But |
|  | Eucalyptus consideniana | Yertchuk |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 1 | 10% | T |
| Medium Shrub | 7 | 20% | MS |
| Small Shrub | 3 | 5% | SS |
| Prostrate Shrub | 1 | 5% | PS |
| Large Herb | 3 | 1% | LH |
| Medium Herb | 11 | 20% | MH |
| Small or Prostrate Herb | 2 | 1% | SH |
| Large Tufted Graminoid | 2 | 5% | LTG |
| Large Non-tufted 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/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |

Ecological Vegetation Class bioregion benchmark

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| EVC 22: Grassy Dry Forest – Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia falciformis Large-leaf Hickory-wattle  MS Cassinia longifolia Shiny Cassinia  MS Pultenaea juniperina s.l. Prickly Bush-pea  MS Pimelea curviflora s.l. Curved Rice-flower  MS Monotoca scoparia Prickly Broom-heath  SS Hibbertia obtusifolia Grey Guinea-flower  PS Acrotriche serrulata Honey-pots  PS Astroloma humifusum Cranberry Heath  LH Acaena agnipila Hairy Sheep’s Burr  MH Plantago varia Variable Plantain  MH Hypericum gramineum Small St John's Wort  MH Lagenophora stipitata Common Bottle-daisy  MH Gonocarpus tetragynus Common Raspwort  SH Hydrocotyle laxiflora Stinking Pennywort  SH Opercularia varia Variable Stinkweed  SH Desmodium varians Slender Tick-trefoil  LTG Lomandra longifolia Spiny-headed Mat-rush  LNG Gahnia radula Thatch Saw-sedge  MTG Poa sieberiana Grey Tussock-grass  MTG Dianella tasmanica Tasman Flax-lily  MTG Dianella revoluta s.l. Black-anther Flax-lily  MTG Themeda traindra Kangaroo Grass  MNG Microlaena stipoides var. stipoides Weeping Grass  GF Pteridium esculentum Austral Bracken  SC Billardiera scandens Common Apple-berry  SC Clematis aristata Mountain Clematis  SC Glycine clandestina Twining Glycine  **Recruitment:**  Continuous  **Organic Litter:**  20 % cover  **Logs:**  20 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  LH Cirsium vulgare Spear Thistle high high  LH Conyza albida Tall Fleabane high low  MH Hypochoeris radicata Cat's Ear high low  MH Centaurium erythraea Common Centaury high low  MNG Aira caryophyllea Silvery Hair-grass high low  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Acacia silvestris  Exocarpos cupressiformis | Red Wattle  Cherry Ballart |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Shrub | 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 Small Tufted Graminoid | 3 | 5% | 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 |
| **Total understorey projective foliage cover** |  | **50%** |  |

|  |  |  |
| --- | --- | --- |
| **LF Code**  MS | **Species typical of at least part of EVC range**  Philotheca trachyphylla | **Common Name**  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.

Ecological Vegetation Class bioregion benchmark

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| EVC 27: Blackthorn Scrub – Monaro Tablelands bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 | **Species typical of at least part of EVC range**  Cassinia longifolia | **Common Name**  Shiny Cassinia |
| MS | Exocarpos strictus | Pale-fruit Ballart |
| MS | Ozothmanus conditus | Pepper Everlasting |
| MS | Ozothamnus rogersianus | Nunniong Everlasting |
| SS | Olearia iodochroa | Violet Daisy-bush |
| SS | Hibbertia obtusifolia | Grey Guinea-flower |
| LH | Senecio tenuiflorus | Slender Fireweed |
| LH | Derwentia perfoliata | Digger's Speedwell |
| 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 | Dianella revoluta s.l. | Black-anther Flax-lily |

##### Recruitment:

Continuous

##### Organic Litter:

40 % cover

##### Logs:

10 m/0.1 ha.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weediness:** |  | | | |
| **LF Code** | **Typical Weed Species** | **Common Name** | **Invasive** | **Impact** |
| MH  MTG | Hypochoeris radicata  Vulpia bromoides | Cat's Ear  Squirrel-tail Fescue | high  high | low  low |

Ecological Vegetation Class bioregion benchmark

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| --- | --- |
| EVC 28: Rocky Outcrop Shrubland - Monaro Tablelands bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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.

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| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  90 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Eucalyptus fastigata  Eucalyptus obliqua Eucalyptus viminalis | Cut-tail  Messmate Stringybark Manna Gum |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 3 | 15% | T |
| Medium Shrub | 10 | 25% | MS |
| Small Shrub | 3 | 5% | SS |
| Large Herb | 2 | 1% | LH |
| Medium Herb | 6 | 15% | MH |
| Small or Prostrate Herb | 1 | 1% | SH |
| Large Tufted Graminoid | 2 | 5% | LTG |
| Large Non-tufted Graminoid | 1 | 5% | LNG |
| Medium to Small 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 Climber | 3 | 10% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

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| --- | --- |
| EVC 29: Damp Forest – Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia dealbata Silver Wattle  MS Coprosma quadrifida Prickly Currant-bush  MS Leucopogon lanceolatus var. lanceolatus Lance Beard-heath  MS Goodia lotifolia Golden Tip  MS Olearia lirata Snowy Daisy-bush  SS Leucopogon hookeri Mountain Beard-heath  SS Olearia erubescens Moth Daisy-bush  SS Rubus parvifolius Small-leaf Bramble  PS Astroloma humifusum Cranberry Heath  PS Acrotriche serrulata Honey-pots  LH Senecio minimus Shrubby Fireweed  LH Xerochrysum bracteatum Golden Everlasting  LH Urtica incisa Scrub Nettle  LH Brachyscome aculeata Branching Daisy  MH Viola hederacea sensu Willis (1972) Ivy-leaf Violet  MH Geranium potentilloides Cinquefoil Cranesbill  MH Lagenophora stipitata Common Bottle-daisy  SH Lobelia pedunculata s.l. Matted Pratia  SH Leptinella filicula Mountain Cotula  SH Hydrocotyle laxiflora Stinking Pennywort  LTG Lomandra longifolia Spiny-headed Mat-rush  LTG Deyeuxia quadriseta Reed Bent-grass  MTG Dianella tasmanica Tasman Flax-lily  MTG r Poa clivicola Fine-leaf Snow-grass  MTG Austrodanthonia penicillata Slender Wallaby-grass  MTG Luzula meridionalis var. densiflora Common Woodrush  MNG Microlaena stipoides var. stipoides Weeping Grass  MNG Echinopogon ovatus Common Hedgehog-grass  GF Pteridium esculentum Austral Bracken  GF Polystichum proliferum Mother Shield-fern  GF Blechnum penna-marina ssp. alpina Alpine Water-fern  GF Blechnum nudum Fishbone Water-fern  TRF Cyathea australis Rough Tree-fern  SC Clematis aristata Mountain Clematis  SC Glycine clandestina Twining Glycine  **Recruitment:**  Continuous  **Organic Litter:**  50% cover  **Logs:**  30 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  LH Cirsium vulgare Spear Thistle high low MH Hypochoeris radicata Cat's Ear high low  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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** | **Common 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% | T |
| Medium Shrub | 7 | 25% | MS |
| Small Shrub | 3 | 5% | SS |
| Large Herb | 1 | 1% | LH |
| Medium Herb | 5 | 15% | MH |
| Small or Prostrate Herb | 1 | 1% | SH |
| Large Tufted Graminoid | 1 | 1% | LTG |
| Large Non-tufted Graminoid | 1 | 1% | LNG |
| Medium to Small 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 Climber | 4 | 10% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| 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 Viola hederacea 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 Lobelia pedunculata s.l. Matted Pratia  LTG Gahnia sieberiana Red-fruit Saw-sedge  LTG Carex appressa Tall Sedge  LTG Juncus alexandri ssp. alexandri 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 Poa australis 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 Blechnum penna-marina ssp. alpina Alpine Water-fern  GF Grammitis billardierei Common Finger-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  MH Prunella vulgaris Self-heal high low  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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/Atherosperma | **DBH(cm)**  70 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 50% | Elaeocarpus holopetalus  Atherosperma moschatum | Black Oliveberry  Southern Sassafras |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 2 | 20% | T |
| Medium Shrub | 2 | 5% | MS |
| Large Herb | 2 | 10% | LH |
| Medium Herb | 2 | 5% | MH |
| Ground Fern | 6 | 25% | GF |
| Tree Fern | 2 | 25% | TRF |
| Epiphyte | 2 | 5% | EP |
| Scrambler or Climber | 2 | 1% | SC |
| Bryophytes/Lichens | na | 20% | BL |

|  |  |  |
| --- | --- | --- |
| **LF Code**  T | **Species typical of at least part of EVC range**  Telopea oreades | **Common Name**  Gippsland Waratah |
| T | Notelaea ligustrina | Privet Mock-olive |
| T | Pittosporum bicolor | Banyalla |
| MS | Coprosma quadrifida | Prickly Currant-bush |
| MS | Tasmannia lanceolata | Mountain Pepper |
| MS | Leucopogon maccraei | Subalpine Beard-heath |
| LH | Urtica incisa | Scrub Nettle |
| LH | Sambucus gaudichaudiana | White Elderberry |
| MH | Australina pusilla ssp. muelleri | Shade Nettle |
| MH | Stellaria flaccida | Forest Starwort |
| MH | Viola hederacea sensu Willis (1972) | Ivy-leaf Violet |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MNG | Deyeuxia rodwayi | Tasman Bent-grass |
| GF | Polystichum proliferum | Mother Shield-fern |
| GF | Histiopteris incisa | Bat’s Wing Fern |
| GF | Grammitis billardierei | Common Finger-fern |
| GF | Asplenium bulbiferum ssp. gracillimum | Mother Spleenwort |
| TRF | Dicksonia antarctica | Soft Tree-fern |
| EP | Hymenophyllum flabellatum | Shiny Filmy Fern |
| EP | Fieldia australis | Fieldia |
| SC | Clematis aristata | Mountain Clematis |
| SC | Parsonsia brownii | Twining Silkpod |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| 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.  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 50% | *Acmena smithii Atherosperma moschatum Elaeocarpus holopetalus Pomaderris aspera* | Lilly Pilly  Southern Sassafras Black Oliveberry Hazel Pomaderris |

**Understorey: Lifeform**

**#Spp %Cover LF Code**

Immature Canopy Tree 5% IT

Understorey Tree or Large Shrub Medium Shrub

Large Herb Medium Herb

Small or Prostrate Herb Large Tufted Graminoid Large Non-Tufted Graminoid

Medium to Small Tufted Graminoid Ground Fern

Tree Fern Epiphyte

Scrambler or Climber

5 25% T

6 15% MS

1. 1% LH
2. 5% MH
3. 1% SH
4. 1% LTG

2 1% LNG

2 5% MTG

8 25% GF

1. 20% TF
2. 5% EP

7 20% SC

Bryophytes/Lichens 20% BL



Ecological Vegetation Class Bioregion Benchmark

|  |  |
| --- | --- |
| EVC 33: Cool Temperate Rainforest/Warm Temperate Rainforest Overlap | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T *Acacia melanoxylon* Blackwood  T v *Eucryphia moorei* Eastern Leatherwood  T *Pittosporum bicolor* Banyalla  T *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  Published by the Victorian Government Department of Sustainability and Environment  © The State of Victoria Government Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-comercial is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson St, East Melbourne, Victoria 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss, of other consequences which may arise from you relying on any information in this publication.  [**www.dse.vic.gov.au**](http://www.dse.vic.gov.au/) |



**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Eucalyptus croajingolensis  Eucalyptus dalrympleana Eucalyptus denticulata | Gippsland Peppermint  Mountain Gum Errinundra Shining Gum |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: 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 |
| Scrambler/Climber | 1 | 1% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 35: Tableland Damp Forest – Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Telopea oreades Gippsland Waratah  T Acacia melanoxylon Blackwood  MS Persoonia silvatica Forest Geebung  MS Tasmannia xerophila ssp. robusta Errinundra Pepper  MS Tasmannia lanceolata Mountain Pepper  MS Leucopogon maccraei Subalpine Beard-heath  SS Leucopogon hookeri Mountain Beard-heath  LH Senecio linearifolius Fireweed Groundsel  LH Brachyscome aculeata Branching Daisy  LH Drymophila cyanocarpa Turquoise Berry  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  SH Lobelia pedunculata s.l. Matted Pratia  LTG Deyeuxia quadriseta Reed Bent-grass  LNG Tetrarrhena juncea Forest Wire-grass  MTG Dianella tasmanica Tasman Flax-lily  MTG Dichelachne rara Common Plume-grass  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  **Recruitment:**  Continuous  **Organic Litter:**  50 % cover  **Logs:**  30 m/0.1 ha.  **Weediness:**  There are no consistent weeds in this EVC.  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 | **#/ha**  15 / ha |

#### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 20% | Eucalyptus croajingolensis  Eucalyptus rubida Eucalyptus dives | Gippsland Peppermint  Candlebark  Broad-leaved Peppermint |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 2 | 10% | T |
| Medium Shrub | 7 | 30% | MS |
| Small Shrub | 4 | 10% | SS |
| Large Herb | 2 | 5% | LH |
| Medium Herb | 10 | 15% | MH |
| Small or Prostrate Herb | 3 | 5% | SH |
| Large Tufted Graminoid | 2 | 5% | LTG |
| Medium to Small Tufted Graminoid | 6 | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | 2 | 5% | MNG |
| Ground Fern | 2 | 5% | GF |
| Scrambler or Climber | 1 | 1% | SC |
| Bryophytes/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 36: Montane Dry Woodland - Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia dealbata Silver Wattle  MS r Persoonia silvatica Forest Geebung  MS Coprosma quadrifida Prickly Currant-bush  MS Epacris impressa Common Heath  MS Tasmannia lanceolata Mountain Pepper  SS Leucopogon hookeri Mountain Beard-heath  SS Tetratheca bauerifolia Heath Pink-bells  SS Olearia erubescens Moth Daisy-bush  SS Hibbertia obtusifolia Grey Guinea-flower  LH Senecio minimus Shrubby Fireweed  MH Viola hederacea sensu Willis (1972) Ivy-leaf Violet  MH Poranthera microphylla Small Poranthera  MH Gonocarpus tetragynus Common Raspwort  MH Lagenophora stipitata Common Bottle-daisy  SH Leptinella filicula Mountain Cotula  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  MTG Poa sieberiana Grey Tussock-grass  MTG Stylidium graminifolium s.l. Grass Trigger-plant  MTG Poa ensiformis Sword Tussock-grass  MNG Microlaena stipoides var. stipoides Weeping Grass  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:**  **LF Code Typical Weed Species Common Name Invasive Impact**  MH Hypochoeris radicata Cat's Ear high low  Published by the Victorian Government Department of Sustainability and Environment April 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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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 Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 20% | Eucalyptus dives  Eucalyptus rubida | Broad-leaved Peppermint  Candlebark |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form**  Immature Canopy Tree | **#Spp** | **%Cover**  5% | **LF code**  IT |
| Understorey Tree or Large Shrub | 1 | 5% | T |
| Medium Shrub | 2 | 10% | MS |
| Small Shrub | 3 | 5% | SS |
| Prostrate Shrub | 1 | 1% | PS |
| Large Herb | 1 | 1% | LH |
| Medium Herb | 8 | 20% | MH |
| Small or Prostrate Herb | 2 | 5% | SH |
| Large Tufted Graminoid | 1 | 5% | LTG |
| Medium to Small Tufted Graminoid | 5 | 25% | MTG |
| Medium to Tiny Non-tufted Graminoid | 1 | 5% | MNG |
| Ground Fern | 1 | 1% | GF |
| Scrambler or Climber | 1 | 1% | SC |
| Bryophytes/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |

|  |  |  |
| --- | --- | --- |
| **LF Code**  T | **Species typical of at least part of EVC range**  Acacia dealbata | **Common Name**  Silver Wattle |
| MS | Pultenaea juniperina s.l. | Prickly Bush-pea |
| MS | Epacris impressa | Common Heath |
| SS | Leucopogon hookeri | Mountain Beard-heath |
| SS | Tetratheca bauerifolia | Heath Pink-bells |
| SS | Hibbertia obtusifolia | Grey Guinea-flower |
| PS | Acrotriche serrulata | Honey-pots |
| LH | Wahlenbergia stricta | Tall Bluebell |
| MH | Gonocarpus tetragynus | Common Raspwort |
| MH | Hydrocotyle hirta | Hairy Pennywort |
| MH | Helichrysum scorpioides | Button Everlasting |
| SH | Hydrocotyle sibthorpioides | Shining Pennywort |
| SH | Chiloglottis gunnii s.l. | Common Bird-orchid |
| LTG | Lomandra longifolia | Spiny-headed Mat-rush |
| MTG | Stylidium graminifolium s.l. | Grass Trigger-plant |
| MTG | Luzula meridionalis var. meridionalis | Common Woodrush |
| MTG | Diplarrena moraea | White Iris |
| MTG | Poa sieberiana | Grey Tussock-grass |
| MNG | Microlaena stipoides var. stipoides | Weeping Grass |
| GF | Pteridium esculentum | Austral Bracken |
| SC | Clematis aristata | Mountain Clematis |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 37: Montane Grassy Woodland - Monaro Tablelands bioregion | |
|  | **Recruitment:**  Continuous.  **Organic Litter:**  20 % cover  **Logs:**  15 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  Published by the Victorian Government Department of Sustainability and Environment April 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Eucalyptus delegatensis ssp. delegatensis  Eucalyptus croajingolensis Eucalyptus obliqua Eucalyptus radiata s.l. | Alpine Ash  Gippsland Peppermint Messmate  Narrow-leaf Peppermint |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 3 | 20% | T |
| Medium Shrub | 7 | 25% | MS |
| Small Shrub | 2 | 5% | SS |
| Large Herb | 3 | 5% | LH |
| Medium Herb | 8 | 15% | MH |
| Small or Prostrate Herb | 2 | 5% | 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 | 10% | GF |
| Tree Fern | 1 | 1% | TRF |
| Scrambler or Climber | 1 | 5% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 38: Montane Damp Forest - Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia dealbata Silver Wattle  T Pittosporum bicolor Banyalla  T Telopea oreades Gippsland Waratah  T r Podocarpus lawrencei ssp. nov. (Goonmirk Rocks) Errinundra Plum-pine MS R r Tasmannia xerophila ssp. robusta Errinundra Pepper  MS Leucopogon maccraei Subalpine Beard-heath  MS Tasmannia lanceolata Mountain Pepper  MS Olearia phlogopappa Dusty Daisy-bush  SS Hibbertia obtusifolia Grey Guinea-flower  PS Persoonia chamaepeuce Dwarf Geebung  PS Platylobium formosum Handsome Flat-pea  PS Acrotriche serrulata Honey-pots  LH Sambucus gaudichaudiana White Elderberry  LH Derwentia perfoliata Digger's Speedwell  LH Senecio hispidulus Rough Fireweed  LH Derwentia derwentiana Derwent Speedwell  MH Lagenophora stipitata Common Bottle-daisy  MH Geranium potentilloides Cinquefoil Cranesbill  MH Viola hederacea sensu Willis (1972) Ivy-leaf Violet  MH Stellaria flaccida Forest Starwort  SH Leptinella filicula Mountain Cotula  SH Lobelia pedunculata s.l. Matted Pratia  SH Hydrocotyle laxiflora Stinking Pennywort  SH Scleranthus biflorus s.l. Twin-flower Knawel  LTG Lomandra longifolia Spiny-headed Mat-rush  LTG Poa helmsii Tall Tussock-grass  MTG r Uncinia nemoralis 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  **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 MH Taraxacum officinale spp. agg. Garden Dandelion high low LNG Holcus lanatus Yorkshire Fog high high  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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** | **Character Species** | **Common Name** |
| 40% | Eucalyptus delegatensis ssp. delegatensis | Alpine Ash |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 5 | 30% | T |
| Medium Shrub | 5 | 25% | MS |
| Small Shrub | 1 | 1% | SS |
| Medium Herb | 3 | 5% | MH |
| Large Tufted Graminoid | 1 | 1% | LTG |
| Large Non-tufted Graminoid | 1 | 1% | LNG |
| Medium to Small Tufted Graminoid | 2 | 10% | MTG |
| Ground Fern | 4 | 30% | GF |
| Tree Fern | 2 | 10% | TRF |
| Scrambler or Climber | 1 | 1% | SC |
| Bryophytes/Lichens | na | 20% | BL |

|  |  |  |
| --- | --- | --- |
| **LF Code**  T | **Species typical of at least part of EVC range**  Acacia dealbata | **Common Name**  Silver Wattle |
| T | Acacia frigescens | Frosted Wattle |
| T | Telopea oreades | Gippsland Waratah |
| T | Elaeocarpus holopetalus | Black Oliveberry |
| MS | Polyscias sambucifolia | Elderberry Panax |
| MS | Prostanthera lasianthos | Victorian Christmas-bush |
| MS | Tasmannia lanceolata | Mountain Pepper |
| MS | Coprosma hirtella | Rough Coprosma |
| MH | Stellaria flaccida | Forest Starwort |
| MH | Viola hederacea sensu Willis (1972) | Ivy-leaf Violet |
| MH | Sambucus gaudichaudiana | White Elderberry |
| LTG | Gahnia sieberiana | Red-fruit Saw-sedge |
| LNG | Tetrarrhena juncea | Forest Wire-grass |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | Poa ensiformis | Sword Tussock-grass |
| MTG | Hierochloe rariflora | Cane Holy-grass |
| GF | Polystichum proliferum | Mother Shield-fern |
| GF | Blechnum wattsii | Hard Water-fern |
| GF | Histiopteris incisa | Bat's Wing Fern |
| GF | Pteridium esculentum | Austral Bracken |
| TRF | Dicksonia antarctica | Soft Tree-fern |
| SC | Clematis aristata | Mountain Clematis |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| 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.  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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.

|  |  |  |
| --- | --- | --- |
| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  60 cm | **#/ha**  15 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 10% | Eucalyptus rubida  Eucalyptus camphora ssp. humeana Eucalyptus stellulata | Candlebark  Mountain Swamp-gum Black Sallee |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form**  Immature Canopy Tree | **#Spp** | **%Cover**  5% | **LF code**  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.

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 40: Montane Riparian Woodland - Monaro Tablelands bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Leptospermum grandifolium Mountain Tea-tree  MS Baeckea gunniana Alpine Baeckea  MS Leptospermum myrtifolium Myrtle Tea-tree  MS Pimelea axiflora Bootlace Bush  SS Hovea heterophylla Common Hovea  SS Leucopogon hookeri Mountain Beard-heath  SS Epacris microphylla s.l. Coral Heath  SS Rubus parvifolius Small-leaf Bramble  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 Scirpus polystachyus 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 Baloskion australe Mountain Cord-rush  MNG Luzula campestris spp. agg. Field Woodrush  GF Polystichum proliferum Mother Shield-fern  GF Blechnum minus Soft Water-fern  **Weediness:**  **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.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 Trifolium repens var. repens 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  Published by the Victorian Government Department of Sustainability and Environment April 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 15% | Eucalyptus pauciflora | Snow Gum |

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

|  |  |  |
| --- | --- | --- |
| **LF Code**  T | **Species typical of at least part of EVC range**  Acacia obliquinervia | **Common Name**  Mountain Hickory Wattle |
| MS | Podolobium alpestre | Alpine Podolobium |
| MS | Olearia phlogopappa | Dusty Daisy-bush |
| MS | Tasmannia xerophila | Alpine Pepper |
| SS | Leucopogon hookeri | Mountain Beard-heath |
| LH | Senecio gunnii | Mountain Fireweed |
| MH | Stellaria pungens | Prickly Starwort |
| MH | Oreomyrrhis eriopoda | Australian Caraway |
| MH | Viola betonicifolia ssp. betonicifolia | Showy Violet |
| MH | Asperula gunnii | Mountain Woodruff |
| MTG | Stylidium graminifolium s.l. | Grass Trigger-plant |
| MTG | Dianella tasmanica | Tasman Flax-lily |
| MTG | Poa australis spp. agg. | Tussock Grass |
| MTG | Carex breviculmis | Common Grass-sedge |
| GF | Polystichum proliferum | Mother Shield-fern |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 43: Sub-alpine Woodland - Monaro Tablelands bioregion | |
|  | **Recruitment:**  Continuous  **Organic Litter:**  20 % cover  **Logs:**  10 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  MH Acetosella vulgaris Sheep Sorrel high high MH Hypochoeris radicata Cat's Ear high low  Published by the Victorian Government Department of Sustainability and Environment April 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

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 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 20% | Eucalyptus elata  Eucalyptus viminalis | River Peppermint  Manna Gum |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** | **#Spp** | **%Cover** | **LF code** |
| Immature Canopy Tree |  | 5% | IT |
| Understorey Tree or Large Shrub | 3 | 15% | T |
| 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 Prostrate 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 Climber | 5 | 5% | SC |
| Bryophytes/Lichens | na | 20% | BL |

Ecological Vegetation Class bioregion benchmark

|  |  |
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| 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  T 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 Burr  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-rush  LTG Austrostipa rudis Veined Spear-grass  MTG Lepidosperma laterale Variable Sword-sedge  MTG Dianella tasmanica Tasman Flax-lily  MTG Themeda triandra Kangaroo Grass  MTG Poa australis spp. agg. Tussock Grass  MNG Microlaena stipoides var. stipoides Weeping Grass  MNG Echinopogon ovatus Common Hedgehog-grass  GF Pteridium esculentum Austral Bracken  SC Glycine clandestina Twining Glycine  SC Clematis aristata Mountain Clematis  SC Billardiera scandens Common Apple-berry  **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 MS Prunus spp. Cherry Plum low high  MS Rosa rubiginosa Briar Rose low high  LH Cirsium vulgare Spear Thistle high high  MH Hypochoeris radicata Cat's Ear high low  MH Centaurium erythraea Common Centaury high low MH Gamochaeta purpurea s.l. Purple Cudweed high low LNG Holcus lanatus Yorkshire Fog high high  Published by the Victorian Government Department of Sustainability and Environment December 2004  © The State of Victoria Department of Sustainability and Environment 2004  This publication is copyright. Reproduction and the making available of this material for personal, in-house or non-commercial purposes is authorised, on condition that:   * the copyright owner is acknowledged; * no official connection is claimed; * the material is made available without charge or at cost; and * the material is not subject to inaccurate, misleading or derogatory treatment.   Requests for permission to reproduce or communicate this material in any way not permitted by this licence (or by the fair dealing provisions of the Copyright Act 1968) should be  directed to the Nominated Officer, Copyright, 8 Nicholson Street, East Melbourne, Victoria, 3002.  For more information contact: Customer Service Centre, 136 186  This publication may be of assistance to you but the State of Victoria and its employees do not guarantee that the publication is without flaw of any kind or is wholly appropriate for your particular purposes and therefore disclaims all liability for any error, loss or other consequence which may arise from you relying on any information in this publication. |

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