

### EVC/Bioregion Benchmark for Vegetation Quality Assessment

Bridgewater bioregion

EVC 3: Damp Sands Herb-rich Woodland

##### Description:

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

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| --- | --- | --- |
| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  70 cm | **#/ha**  15 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 15% | Eucalyptus baxteri s.s.  Eucalyptus viminalis ssp. cygnetensis | Brown Stringybark  Manna Gum |

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

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 3: Damp Sands Herb-rich Woodland - Bridgewater bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia melanoxylon Blackwood  T Acacia mearnsii Black Wattle  MS Banksia marginata Silver Banksia  MS Leucopogon parviflorus Coast Beard-heath  MS Spyridium parvifolium Dusty Miller  MS Leucopogon lanceolatus var. lanceolatus Lance Beard-heath  SS Hibbertia sericea s.l. Silky Guinea-flower  SS Amperea xiphoclada var. xiphoclada Broom Spurge  SS Pimelea humilis Common Rice-flower  PS Astroloma humifusum Cranberry Heath  PS Acrotriche serrulata Honey-pots  LH Senecio tenuiflorus Slender Fireweed  LH Senecio glomeratus Annual Fireweed  MH Veronica calycina Hairy Speedwell  MH Lagenophora stipitata Common Bottle-daisy  MH Brunonia australis Blue Pincushion  SH Hydrocotyle laxiflora Stinking Pennywort  SH Dichondra repens Kidney-weed  SH Opercularia varia Variable Stinkweed  SH Kennedia prostrata Running Postman  LTG Xanthorrhoea minor ssp. lutea Small Grass-tree  LTG Deyeuxia quadriseta Reed Bent-grass  MTG Dianella revoluta s.s. Black-anther Flax-lily  MTG Luzula meridionalis Common Woodrush  MTG Dichelachne crinita Long-hair Plume-grass  MTG Lomandra nana Dwarf Mat-rush  MNG Microlaena stipoides var. stipoides Weeping Grass  MNG Ficinia nodosa Knobby Club-sedge  TTG Centrolepis strigosa ssp. strigosa Hairy Centrolepis  GF Pteridium esculentum Austral Bracken  SC Billardiera scandens Common Apple-berry  SC Galium australe Tangled Bedstraw  **Recruitment:**  Continuous  **Organic Litter:**  40 % cover  **Logs:**  15 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  MH Hypochoeris radicata Cat's Ear high low  MH Centaurium erythraea Common Centaury high low  LNG Holcus lanatus Yorkshire Fog high high  MNG Aira elegantissima Delicate Hair-grass 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**

Bridgewater bioregion

EVC 9: Coastal Saltmarsh

##### Description:

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Life Forms: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Shrub | 1 | 10% | MS |
| Small Shrub | 1 | 5% | SS |
| Medium Herb | 3 | 15% | MH |
| Large Non-tufted Graminoid | 1 | 5% | LNG |
| Medium to Tiny Non-tufted Graminoid | 1 | 5% | MNG |
| Soil Crust | na | 10% | S/C |
| **Total understorey projective foliage cover** |  | **45%** |  |

|  |  |  |
| --- | --- | --- |
| **LF Code**  MS | **Species typical of at least part of EVC range**  Sclerostegia arbuscula | **Common Name**  Shrubby Glasswort |
| SS | Suaeda australis | Austral Seablite |
| MH | Sarcocornia quinqueflora | Beaded Glasswort |
| MH | Samolus repens | Creeping Brookweed |
| MH | Hemichroa pentandra | Trailing Hemichroa |
| LNG | Juncus kraussii ssp. australiensis | Sea Rush |
| MNG | Triglochin striatum | Streaked Arrowgrass |
| MNG | Distichlis distichophylla | Australian Salt-grass |

##### Recruitment:

Continuous

##### Organic Litter:

10% cover

##### Weediness:

There are no consistent weeds in this EVC.

Ecological Vegetation Class bioregion benchmark

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| EVC 9: Coastal Saltmarsh - Bridgewater bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

Bridgewater bioregion

EVC 10: Estuarine Wetland

##### Description:

Grows on anaerobic peat-rich muds on the edges of estuarine waterbodies such as creeks, rivers and lagoons with intermediate salinity conditions. Vegetation is determined by fluctuating salinity, which varies in time from occasionally fresh to brackish or occasionally saline according to river flood and marine tide events. Dominated by graminoids and halophytic herbs.

|  |  |  |  |
| --- | --- | --- | --- |
| **Life Forms: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Herb | 2 | 50% | MH |
| Small or Prostrate Herb | 1 | 10% | SH |
| Large Tufted Graminoid | 1 | 10% | LTG |
| Large Non-tufted Graminoid | 1 | 5% | LNG |
| Medium to Tiny Non-tufted Graminoid | 3 | 30% | MNG |

|  |  |  |
| --- | --- | --- |
| **LF Code**  MH | **Species typical of at least part of EVC range**  Samolus repens | **Common Name**  Creeping Brookweed |
| MH | Sarcocornia quinqueflora ssp. quinqueflora | Beaded Glasswort |
| MH | Sarcocornia quinqueflora | Beaded Glasswort |
| LTG | Gahnia filum | Chaffy Saw-sedge |
| LNG | Juncus kraussii ssp. australiensis | Sea Rush |
| MTG | Poa poiformis | Coast Tussock-grass |
| MNG | Distichlis distichophylla | Australian Salt-grass |
| MNG | Schoenoplectus pungens | Sharp Club-sedge |
| MNG | Apodasmia brownii | Coarse Twine-rush |
| MNG | Baumea juncea | Bare Twig-sedge |
| SC | Calystegia sepium | Large Bindweed |

##### Recruitment:

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

##### Organic Litter:

10% cover

##### Weediness:

There are no consistent weeds in this EVC.

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 10: Estuarine Wetland - Bridgewater bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

Bridgewater bioregion

EVC 23: Herb-rich Foothill Forest

##### Description:

Occurs on relatively fertile, moderately well-drained soils on an extremely wide range of geological types and in areas of moderate to high rainfall. Occupies easterly and southerly aspects mainly on lower slopes and in gullies. A medium to tall open forest or woodland to 25 m tall with a small tree layer over a sparse to dense shrub layer. A high cover and diversity of herbs and grasses in the ground layer characterise this EVC.

|  |  |  |
| --- | --- | --- |
| **Large trees:** |  | |
| **Species**  Eucalyptus spp. | **DBH(cm)**  70 cm | **#/ha**  20 / ha |

##### Tree Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Eucalyptus ovata  Eucalyptus viminalis ssp. viminalis | Swamp Gum  Manna Gum |

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

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 23: Herb-rich Foothill Forest - Bridgewater bioregion | |
|  | **LF Code Species typical of at least part of EVC range Common Name**  T Acacia melanoxylon Blackwood  T Pomaderris aspera Hazel Pomaderris  MS Coprosma quadrifida Prickly Currant-bush  MS Bursaria spinosa ssp. spinosa Sweet Bursaria  MS Leucopogon parviflorus Coast Beard-heath  MS Leucopogon lanceolatus var. lanceolatus Lance Beard-heath  SS Pimelea humilis Common Rice-flower  SS Dillwynia glaberrima Smooth Parrot-pea  PS Bossiaea prostrata Creeping Bossiaea  PS Acrotriche serrulata Honey-pots  LH Senecio tenuiflorus Slender Fireweed  LH Sigesbeckia orientalis ssp. orientalis Indian Weed  MH Oxalis perennans Grassland Wood-sorrel  MH Cynoglossum suaveolens Sweet Hound's-tongue  MH Acaena novae-zelandiae Bidgee-widgee  MH Geranium potentilloides Cinquefoil Cranesbill  SH Leptostigma reptans Dwarf Nertera  SH Dichondra repens Kidney-weed  SH Opercularia ovata Broad-leaf Stinkweed  SH Hydrocotyle laxiflora Stinking Pennywort  LTG Austrostipa pubinodis Tall Spear-grass  LTG Xanthorrhoea minor ssp. lutea Small Grass-tree  LNG Gahnia radula Thatch Saw-sedge  MTG Lomandra sororia Small Mat-rush  MTG Poa labillardierei Common Tussock-grass  MTG Pentapogon quadrifidus Five-awned Spear-grass  MTG Stylidium graminifolium s.l. Grass Trigger-plant  MNG Poa tenera Slender Tussock-grass  MNG Microlaena stipoides var. stipoides Weeping Grass  GF Pteridium esculentum Austral Bracken  GF Adiantum aethiopicum Common Maidenhair  GF Lindsaea linearis Screw Fern  SC Cassytha pubescens s.s. Downy Dodder-laurel  SC Comesperma volubile Love Creeper  **Recruitment:**  Continuous  **Organic Litter:**  40 % cover  **Logs:**  20 m/0.1 ha.  **Weediness:**  **LF Code Typical Weed Species Common Name Invasive Impact**  MH Hypochoeris radicata Cat's Ear high low MH Leontodon taraxacoides ssp. taraxacoides Hairy Hawkbit high low  MNG Holcus lanatus Yorkshire Fog high high  MTG Anthoxanthum odoratum Sweet Vernal-grass high high  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

# Bridgewater bioregion

## EVC 53: Swamp Scrub

###### Description:

Closed scrub to 8 m tall at low elevations on alluvial deposits along streams or on poorly drained sites with high nutrient and water availability. Soils vary from organic loams to fine silts and peats which are inundated during the wetter months of the year and is dominated by Woolly Tea-tree Leptospermun lanigerum which often form a dense impenetrable thicket, out- competing other species. Emergent trees (eg. Swamp Gum Eucalyptus ovata) may some times be present. Where light penetrates to ground level, a moss/lichen/liverwort herbaceous ground cover is often present.

###### Canopy Cover:

|  |  |  |
| --- | --- | --- |
| %cover | Character Species | Common Name |
| 50% | Leptospermum lanigerum | Woolly Tea-tree |
|  | Melaleuca squarrosa | Scented Paperbark |
|  | Acacia mearnsii | Black Wattle |

|  |  |  |  |
| --- | --- | --- | --- |
| Understorey: Life form | #Spp | %Cover | LF code |
| Medium Shrub | 2 | 10% | MS |
| Small Shrub | 1 | 1% | SS |
| Large Herb | 5 | 5% | LH |
| Medium Herb | 9 | 15% | MH |
| Small or Prostrate Herb | 3 | 10% | SH |
| Large Tufted Graminoid | 2 | 15% | LTG |
| Large Non-tufted Graminoid | 2 | 5% | LNG |
| Medium to Small Tufted Graminoid | 4 | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | 3 | 15% | MNG |
| Ground Fern | 2 | 5% | GF |
| Scrambler or Climber | 1 | 5% | SC |
| Bryophytes/Lichens | na | 20% | BL |

|  |  |  |
| --- | --- | --- |
| LF Code | Species typical of at least part of EVC range | Common Name |
| MS | Ozothamnus ferrugineus | Tree Everlasting |
| MS | Leptospermum continentale | Prickly Tea-tree |
| SS | Rubus parvifolius | Small-leaf Bramble |
| MH | Oxalis perennans | Grassland Wood-sorrel |
| MH | Lagenophora stipitata | Common Bottle-daisy |
| MH | Viola hederacea sensu Willis (1972) | Ivy-leaf Violet |
| SH | Lobelia pedunculata s.l. | Matted Pratia |
| SH | Hydrocotyle sibthorpioides | Shining Pennywort |
| SH | Dichondra repens | Kidney-weed |
| LTG | Gahnia clarkei | Tall Saw-sedge |
| LTG | Juncus pallidus | Pale Rush |
| LTG | Carex appressa | Tall Sedge |
| MTG | Juncus pauciflorus | Loose-flower Rush |
| MNG | Poa tenera | Slender Tussock-grass |
| MNG | Microlaena stipoides var. stipoides | Weeping Grass |
| GF | Pteridium esculentum | Austral Bracken |

Recruitment:

Continuous

###### Organic Litter:

40 % cover

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 53: Swamp Scrub - Bridgewater bioregion | |
|  | Weediness:  LF Code Typical Weed Species Common Name Invasive Impact  LH Cirsium vulgare Spear Thistle high high  LH Sonchus oleraceus Common Sow-thistle high low  MH Hypochoeris radicata Cat's Ear high low MH Leontodon taraxacoides ssp. taraxacoides Hairy Hawkbit high low MH Centaurium erythraea Common Centaury high low  MH Prunella vulgaris Self-heal high low  MH Anagallis arvensis Pimpernel high low  LNG Holcus lanatus Yorkshire Fog high high  Published by the Victorian Government Department of Sustainability and Environment November 2007  © The State of Victoria Department of Sustainability and Environment 2007  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**

Bridgewater bioregion

EVC 160: Coastal Dune Scrub

##### Description:

Coastal Dune Scrub occupies the secondary dunes along ocean and bay beaches and lake shores. Closed scrub to 3 m tall with occasional emergent trees on siliceous and calcareous sands that are subject to high levels of saltspray and continuous disturbance from onshore winds.

|  |  |  |  |
| --- | --- | --- | --- |
| **Life forms: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Shrub | 7 | 50% | MS |
| Small Shrub | 1 | 1% | SS |
| Large Herb | 3 | 5% | LH |
| Medium Herb | 7 | 15% | MH |
| Small or Prostrate Herb | 3 | 10% | SH |
| Medium to Small Tufted Graminoid | 2 | 15% | MTG |
| Medium to Tiny Non-tufted Graminoid | 2 | 5% | MNG |
| Scrambler or Climber | 3 | 5% | SC |
| Bryophytes/Lichens | na | 10% | BL |

|  |  |  |  |
| --- | --- | --- | --- |
| **LF Code**  MS |  | **Species typical of at least part of EVC range**  Rhagodia candolleana ssp. candolleana | **Common Name**  Seaberry Saltbush |
| MS |  | Acacia longifolia ssp. sophorae | Coast Wattle |
| MS |  | Leucopogon parviflorus | Coast Beard-heath |
| MS |  | Olearia axillaris | Coast Daisy-Bush |
| LH |  | Senecio pinnatifolius | Variable Groundsel |
| MH | k | Stackhousia spathulata | Coast Stackhousia |
| MH |  | Senecio biserratus | Jagged Fireweed |
| MH |  | Myosotus australis | Austral Forget-me-knot |
| SH |  | Carpobrotus rossii | Karkalla |
| SH |  | Apium prostratum ssp. prostratum | Sea Celery |
| SH |  | Threlkeldia diffusa | Coast Bonefruit |
| MTG |  | Poa poiformis var. poiformis | Coast Tussock-grass |
| MTG |  | Lachnagrostis billardierei ssp. billardierei | Coast Blown-grass |
| MNG |  | Ficinia nodosa | Knobby Club-sedge |
| MNG |  | Schoenus nitens | Shiny Bog-sedge |
| SC |  | Tetragonia implexicoma | Bower Spinach |
| SC |  | Clematis microphylla var. microphylla | Small-leaved Clematis |

##### Recruitment:

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

##### Organic Litter:

40 % cover

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weediness: LF Code** | **Typical Weed Species** | **Common Name** | **Invasive** | **Impact** |
| MS  MS LH LH LH LH MH MH MH LNG MTG MNG SC | Lycium ferocissimum  Rhamnus alaternus Sonchus oleraceus Sonchus asper s.l. Senecio elegans Melilotus indicus Hypochoeris radicata  Cerastium glomeratum s.l.  Galium murale Ammophila arenaria Catapodium rigidum  Lagurus ovatus  Asparagus asparagoides | African Box-thorn  Italian Buckthorn Common Sow-thistle Rough Sow-thistle Purple Groundsel Sweet Melilot  Cat's Ear  Common Mouse-ear Chickweed Small Goosegrass  Marram Grass Fern Grass Hare's-tail Grass Bridal Creeper | high  high high high high high high high high high high high high | high  high low low high low low low low high low low low |

Ecological Vegetation Class bioregion benchmark

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| EVC 160: Coastal Dune Scrub - Bridgewater bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

Bridgewater bioregion

EVC 161: Coastal Headland Scrub

#### Description:

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Life forms: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Shrub | 7 | 50% | MS |
| Large Herb | 2 | 1% | LH |
| Medium Herb | 4 | 5% | MH |
| Small or Prostrate Herb | 2 | 5% | SH |
| Large Tufted Graminoid | 1 | 1% | LTG |
| Medium to Small Tufted Graminoid | 4 | 10% | MTG |
| Medium to Tiny Non-tufted Graminoid | 2 | 5% | MNG |
| Scrambler or Climber | 2 | 5% | SC |
| Bryophytes/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |

|  |  |  |
| --- | --- | --- |
| **LF Code**  MS | **Species typical of at least part of EVC range**  Acacia longifolia ssp. sophorae | **Common Name**  Coast Wattle |
| MS | Pultenaea canaliculata | Coast Bush-pea |
| MS | Alyxia buxifolia | Sea Box |
| MS | Leucopogon parviflorus | Coast Beard-heath |
| LH | Senecio odoratus var. odoratus | Scented Groundsel |
| SH | Dichondra repens | Kidney-weed |
| SH | Disphyma crassifolium ssp. clavellatum | Rounded Noon-flower |
| MTG | Dianella brevicaulis | Small-flower Flax-lily |
| MTG | Lachnagrostis billardierei s.l. | Coast Blown-grass |
| MTG | Poa poiformis | Coast Tussock-grass |
| MTG | Austrodanthonia caespitosa | Common Wallaby-grass |
| MNG | Ficinia nodosa | Knobby Club-sedge |
| SC | Clematis microphylla | Small-leaved Clematis |
| SC | Tetragonia implexicoma | Bower Spinach |
| SC | Comesperma volubile | Love Creeper |

#### Recruitment:

Continuous

#### Organic Litter:

40 % cover

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weediness: LF Code** | **Typical Weed Species** | **Common Name** | **Invasive** | **Impact** |
| MS  MS LH MH MTG | Chrysanthemoides monilifera  Polygala myrtifolia var. myrtifolia Sonchus oleraceus  Hypochoeris radicata Ehrharta erecta var. erecta | Boneseed  Myrtle-leaf Milkwort Common Sow-thistle Cat's Ear  Panic Veldt-grass | high  high high high high | high  high low high high |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 161: Coastal Headland Scrub - Bridgewater bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

Bridgewater bioregion

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

##### Description:

Near-coastal, deep calcareous (alkaline) and largely stable sand dunes and swales commonly dominated by Moonah Melaleuca lanceolata ssp. lanceolata. It occurs at low elevations of 20-60 m above sea level, average annual rainfall is approximately 550-

950 mm, and it occurs on a variety of geologies and soil types. Low woodland or tall shrubland to 8 m tall, typically with a medium shrub layer, small shrub layer and sedges, grasses and herbs in the ground layer.

##### Canopy Cover:

|  |  |  |
| --- | --- | --- |
| **%cover** | **Character Species** | **Common Name** |
| 40% | Melaleuca lanceolata ssp. lanceolata  Allocasuarina verticillata | Moonah  Drooping Sheoak |

|  |  |  |  |
| --- | --- | --- | --- |
| **Understorey: Life form** Medium Shrub | **#Spp**  4 | **%Cover**  30% | **LF code**  MS |
| Large Herb | 3 | 5% | LH |
| Medium Herb | 2 | 1% | MH |
| Small or Prostrate Herb | 2 | 10% | SH |
| Large Tufted Graminoid | 1 | 5% | LTG |
| Medium to Small Tufted Graminoid | 3 | 5% | MTG |
| Medium to Tiny Non-tufted Graminoid | 2 | 30% | MNG |
| Scrambler or Climber | 2 | 1% | SC |
| Bryophytes/Lichens | na | 20% | BL |
| **Total understorey projective foliage cover** |  | **90%** |  |
| **LF Code**  MS | **Species typical of at least part of EVC range**  Acacia longifolia var. sophorae | **Common Name**  Coast Wattle |
| MS | Olearia axillaris | Coast Daisy-Bush |
| MS | Rhagodia candolleana ssp. candolleana | Seaberry Saltbush |
| MS | Leucopogon parviflorus | Coast Beard-heath |
| LH | Epilobium billardierianum ssp. billardierianum | Smooth Willow-herb |
| MH | Picris angustifolia ssp. angustifolia | Coast Picris |
| MH | Lobelia anceps | Angled Lobelia |
| SH | Carpobrotus rossii | Karkalla |
| LTG | Austrostipa flavescens | Coast Spear-grass |
| MTG | Lepidosperma gladiatum | Coast Sword-sedge |
| MTG | Lachnagrostis billardierei s.l. | Coast Blown-grass |
| MTG | Poa poiformis | Coast Tussock-grass |
| MTG | Dianella revoluta s.l. | Black-anther Flax-lily |
| MNG | Ficinia nodosa | Knobby Club-sedge |
| SC | Comesperma volubile | Love Creeper |
| SC | Clematis microphylla | Small-leaved Clematis |
| SC | Tetragonia implexicoma | Bower Spinach |

**Recruitment:**

Continuous

##### Organic Litter:

40 % cover

##### Logs:

5 m/0.1 ha.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Weediness: LF Code** | **Typical Weed Species** | **Common Name** | **Invasive** | **Impact** |
| LH  MH LNG MNG | Sonchus oleraceus  Leontodon taraxacoides ssp. taraxacoides Holcus lanatus  Lagurus ovatus | Common Sow-thistle  Hairy Hawkbit Yorkshire Fog Hare's-tail Grass | high  high high high | low  low high low |

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 858: Coastal Alkaline Scrub (syn. Calcarenite Dune Woodland) – Bridgewater bioregion | |
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**EVC/Bioregion Benchmark for Vegetation Quality Assessment**

Bridgewater bioregion

EVC 876: Spray-zone Coastal Shrubland

##### Description:

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Life Forms: Life form** | **#Spp** | **%Cover** | **LF code** |
| Medium Shrub | 1 | 1% | MS |
| Small Shrub | 2 | 10% | SS |
| Medium Herb | 4 | 10% | MH |
| Small or Prostrate Herb | 1 | 1% | SH |
| Medium to Small Tufted Graminoid | 1 | 1% | MTG |
| Bryophytes/Lichens | na | 10% | BL |
| Soil Crust | na | 10% | S/C |
| **Total understorey projective foliage cover** |  | **40%** |  |

##### LF Code Character Species Common Name

MS Pimelea serpyllifolia ssp. serpyllifolia Thyme Rice-flower

SS V v Ixodia achillaeoides ssp. arenicola Ixodia

SS Leucophyta brownii Cushion Bush

MH Samolus repens Creeping Brookweed

MH Senecio spathulatus s.l. Dune Groundsel

MH Sarcocornia quinqueflora Beaded Glasswort

MH Actites megalocarpa Dune Thistle

SH Apium prostratum ssp. prostratum Sea Celery

MTG r Austrofestuca littoralis Coast Fescue

##### Recruitment:

Continuous.

##### Weediness:

There are no consistent weeds in this EVC.

Ecological Vegetation Class bioregion benchmark

|  |  |
| --- | --- |
| EVC 876: Spray-zone Coastal Shrubland - Bridgewater bioregion | |
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