

EVC 3: Damp Sands Herb-rich Woodland

Description:

A low, grassy or bracken-dominated open woodland to 15 m tall with a large shrub layer and ground layer rich in herbs, grasses, and orchids. Occurs on sandy lunettes with underlying water seepage on moderately fertile, deep sandy or loamy topsoils

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus melliodoraYellow Box

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

LF Code	Species typical of at least part of EVC range Acacia dealbata	Common Name Silver Wattle
T	Acacia pycnantha	Golden Wattle
MS	Acacia montana	Mallee Wattle
SS	Pimelea humilis	Common Rice-flower
LH	Wahlenbergia spp.	Bluebell
MH	Sida corrugata	Variable Sida
MH	Oxalis perennans	Grassland Wood-sorrel
MH	Acaena echinata	Sheep's Burr
SH	Dichondra repens	Kidney-weed
LTG	Austrostipa mollis	Supple Spear-grass
LTG	Juncus pallidus	Pale Rush
LTG	Austrostipa aristiglumis	Plump Spear-grass
MTG	Dianella longifolia	Pale Flax-lily
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Elymus scaber var. scaber	Common Wheat-grass
MTG	Austrodanthonia racemosa var. racemosa	Stiped Wallaby-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Pteridium esculentum	Austral Bracken
SC	Convolvulus erubescens spp. agg.	Pink Bindweed



EVC 3: Damp Sands Herb-rich Woodland -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

10 m/0.1 ha.

Weediness:

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

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EVC 18: Riparian Forest

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 80 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name40%Eucalyptus radiata ssp. radiata
Eucalyptus viminalis
Eucalyptus globulus ssp. bicostataNarrow-leaf Peppermint
Manna Gum
Eurabbie

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



EVC 18: Riparian Forest - Victorian Riverina bioregion

LF Code	Species typical of at least part of EVC range	Common Name
Т	Pomaderris aspera	Hazel Pomaderris
T	Acacia melanoxylon	Blackwood
MS	Prostanthera lasianthos	Victorian Christmas-bush
MS	Olearia lirata	Snowy Daisy-bush
MS	Coprosma quadrifida	Prickly Currant-bush
MS	Cassinia aculeata	Common Cassinia
PS	Acrotriche prostrata	Trailing Ground-berry
LH	Senecio minimus	Shrubby Fireweed
LH	Senecio linearifolius	Fireweed Groundsel
MH	Acaena novae-zelandiae	Bidgee-widgee
MH	Stellaria pungens	Prickly Starwort
MH	Geranium potentilloides	Cinquefoil Cranesbill
SH	Dichondra repens	Kidney-weed
SH	Lobelia pedunculata s.l.	Matted Pratia
SH	Leptinella filicula	Mountain Cotula
LTG	Lomandra longifolia	Spiny-headed Mat-rush
LTG	Carex appressa	Tall Sedge
LTG	Lepidosperma elatius	Tall Sword-sedge
LTG	Poa labillardierei	Common Tussock-grass
LNG	Tetrarrhena juncea	Forest Wire-grass
MTG	Dianella tasmanica	Tasman Flax-lily
MTG	Isolepis inundata	Swamp Club-sedge
MNG	Microlaena stipoides var. stipoides	Weeping Grass
MNG	Poa tenera	Slender Tussock-grass
GF	Polystichum proliferum	Mother Shield-fern
GF	Blechnum nudum	Fishbone Water-fern
GF	Pteridium esculentum	Austral Bracken
GF	Adiantum aethiopicum	Common Maidenhair
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
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Sonchus asper s.l.	Rough Sow-thistle	high	low
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Prunella vulgaris	Self-heal	high	high
MH	Centaurium erythraea	Common Centaury	low	low
LNG	Holcus lanatus	Yorkshire Fog	high	high

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EVC 19: Riparian Shrubland

Description:

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

Canopy Cover:

%cover	Character Species	Common Name
20%	Acacia dealbata	Silver Wattle

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

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



EVC 19: Riparian Shrubland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10% Cover

Logs:

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

Weediness:

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

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EVC 20: Heathy Dry Forest

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 60 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus macrorhyncha
Eucalyptus polyanthemos
Eucalyptus goniocalyx s.s.Red Stringybark
Red Box
Bundy

J.:			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	6	20%	MS
Small Shrub	6	20%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	7	15%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	2	15%	LTG
Medium to Small Tufted Graminoid	6	15%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Soii Crust	na	10%	S/C



EVC 20: Heathy Dry Forest - Victorian Riverina bioregion

LF Code	Species typical of at least part of EVC range Exocarpos cupressiformis	Common Name Cherry Ballart
MS	Grevillea alpina	Cat's Claw Grevillea
MS	Brachyloma daphnoides	Daphne Heath
MS	Persoonia rigida	Hairy Geebung
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Melichrus urceolatus	Urn Heath
SS	Hovea heterophylla	Common Hovea
SS	Dillwynia phylicoides	Small-leaf Parrot-pea
PS	Platylobium formosum	Handsome Flat-pea
PS	Acrotriche serrulata	Honey-pots
LH	Senecio tenuiflorus	Slender Fireweed
LH	Xerochrysum viscosum	Shiny Everlasting
LH	Wahlenbergia stricta	Tall Bluebell
MH	Gonocarpus tetragynus	Common Raspwort
MH	Helichrysum scorpioides	Button Everlasting
MH	Microseris scapigera spp. agg.	Yam Daisy
SH	Hydrocotyle laxiflora	Stinking Pennywort
LTG	Joycea pallida	Silvertop Wallaby-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Lomandra filiformis	Wattle Mat-rush ,
MTG	Stylidium graminifolium s.l.	Grass Trigger-plant
MTG	Poa sieberiana	Grey Tussock-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass
SC	Thysanotus patersonii	Twining Fringe-lily
SC	Hardenbergia violacea	Purple Coral-pea

Recruitment:

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

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

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

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EVC 21: Shrubby Dry Forest

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus divesBroad-leaved PeppermintEucalyptus manniferaBrittle Gum

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



EVC 21: Shrubby Dry Forest - Victoria Riverina bioregion

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

Recruitment:

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

Organic Litter:

20 % cover

Logs:

20 m/0.1 ha.

Weediness:

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

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Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 60 cm
 20 / ha

 Callitris spp.
 40 cm

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus goniocalyx s.l.BundyEucalyptus macrorhynchaRed StringybarkEucalyptus polyanthemosRed BoxEucalyptus blakelyiBlakely's Red GumCallitris endlicheriBlack Cypress-pine

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	5%	T
Medium Shrub	5	10%	MS
Small Shrub	4	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	1%	LH
Medium Herb	5	15%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	8	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Ground Fern	2	1%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		80%	



EVC 22: Grassy Dry Forest - Victorian Riverina bioregion

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

Recruitment:

Continuous

Organic Litter:

20 % cover

20 m/0.1 ha.

Weediness:

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

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EVC 23: Herb-rich Foothill Forest

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

%cover Character Species
40% Eucalyptus dives

Eucalyptus radiata s.l. Eucalyptus obliqua

Eucalyptus globulus ssp. bicostata Eucalyptus mannifera ssp. mannifera

Eucalyptus rubida

Common Name

Broad-leaved Peppermint Narrow-leaf Peppermint Messmate Stringybark

Eurabbie Brittle Gum Candlebark

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



EVC 23: Herb-rich Foothill Forest – Victorian Riverina bioregion

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

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

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

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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.

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	5	25%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	5	5%	MH
Small or Prostrate Herb	1	1%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	4	10%	MTG
Ground Fern	2	5%	GF
Bryophytes/Lichens	na	20%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		75%	

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

Recruitment:

Continuous

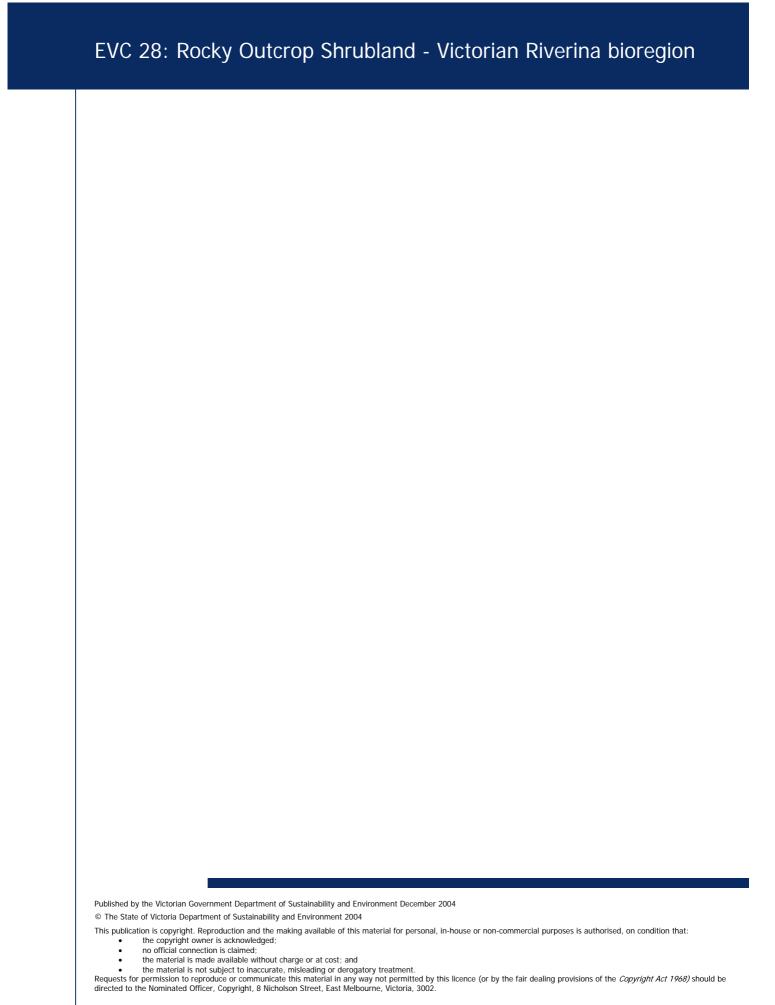
Organic Litter:

40 % cover

Weediness:

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





For more information contact: Customer Service Centre, 136 186



EVC 47: Valley Grassy Forest

Description:

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

Large trees:

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

Tree Canopy Cover:

%cover **Character Species Common Name** 20% Eucalyptus blakelyi Blakely's Red-gum Eucalyptus macrorhyncha Red Stringybark Eucalyptus melliodora Yellow Box Eucalyptus albens White Box Eucalyptus rubida Candlebark Eucalyptus bridgesiana s.l. But But Eucalyptus polyanthemos Red Box

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	3	10%	T
Medium Shrub	3	10%	MS
Small Shrub	3	5%	SS
Large Herb	1	1%	LH
Medium Herb	9	20%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	12	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	5%	MNG
Bryophytes/Lichens	na	20%	BL



EVC 47: Valley Grassy Forest - Victorian Riverina bioregion

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia dealbata	Silver Wattle
T	Acacia melanoxylon	Blackwood
T	Exocarpos cupressiformis	Cherry Ballart
MS	Cassinia aculeata	Dogwood
MS	Dodonaea viscosa ssp. angustissima	Narrow-leaf Hop-bush
MS	Indigofera australis	Austral Indigo
SS	Hibbertia riparia	Erect Guinea-flower
SS	Hibbertia obtusifolia	Grey Guinea-flower
SS	Platylobium formosum	Handsome Flat-pea
LH	Senecio quadridentatus	Cotton Fireweed
LH	Wahlenbergia stricta	Tall Bluebell
MH	Gonocarpus tetragynus	Common Raspwort
MH	Hypericum gramineum	Small St John's Wort
MH	Geranium solanderi s.l.	Austral Cranesbill
SH	Hydrocotyle laxiflora	Stinking Pennywort
SH	Desmodium varians	Slender Tick-trfoil
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Schoenus apogon	Common Bog-sedge
MTG	Arthropodium strictum s.l.	Chocolate Lily
MNG	Microlaena stipoides var. stipoides	Weeping Grass
GF	Cheilanthes austrotenuifolia	Green Rock-fern
SC	Hardenbergia violacea	Purple Coral-pea
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	Hypericum perforatum	St John's Wort	high	high
LH	Sonchus asper s.l.	Rough Sow-thistle	high	low
LH	Cirsium vulgare	Spear Thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Bromus hordeaceus ssp. hordeaceus	Soft Brome	high	low
MTG	Phalaris aquatica	Toowoomba Canary-grass	high	high

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Description:

An open, eucalypt woodland to 15 m tall. Occupies well drained, fertile soils on flat or gently undulating plains at low elevations in areas with >600 mm annual rainfall. The understorey consists of a few sparse shrubs over a species-rich grassy and herbaceous ground layer characterised by summer-growing grasses.

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus camaldulensisRiver Red GumEucalyptus melliodoraYellow Box

J.:			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	10%	MS
Small Shrub	2	1%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	3	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	12	45%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

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



EVC 55_61: Plains Grassy Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

10 m/0.1 ha.

Weediness:

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

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Description:

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

Large trees:

Species	DBH(cm)	#/ha
<i>Eucalyptus</i> spp.	70 cm	15 / ha
Eucalyptus largiflorens	50 cm	
Allocasuarina spp.	40 cm	

Tree Canopy Cover:

%cover	Species typical of at least part of EVC range	Common Name
15%	Eucalyptus microcarpa	Grey Box
	Eucalyptus melliodora	Yellow Box
	Eucalyptus camaldulensis	River Red Gum
	Eucalyptus largiflorens	Black Box
	Eucalyptus leucoxylon	Yellow Gum
	Allocasuarina luehmannii	Buloke

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

LF Code MS	Species typical of at least part of EVC range	Common Name Mallee Wattle
MS	Acacia acinacea s.l.	Gold-dust Wattle
MS	Acacia pycnantha	Golden Wattle
MS	Pittosporum angustifolium	Weeping Pittosporum
SS	Pimelea curviflora s.l.	Curved Rice-flower
MH	Calocephalus citreus	Lemon Beauty-heads
MH	Maireana enchylaenoides	Wingless Bluebush
MH	Einadia hastata	Saloop
MH	Einadia nutans ssp. nutans	Nodding Saltbush
MH	Vittadinia gracilis	Woolly New Holland Daisy
MTG	<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Austrodanthonia setacea	Bristly Wallaby-grass
MTG	Chloris truncata	Windmill Grass



EVC 55_62: Riverina Plains Grassy Woodland (syn. Plains Woodland) -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

10 m/0.1 ha.

Weediness:

weediness:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Trifolium angustifolium var. angustifolium	Narrow-leaf Clover	high	low
MH	Arctotheca calendula	Cape Weed	high	low
MH	Trifolium campestre var. campestre	Hop Clover	high	low
MH	Trifolium arvense var. arvense	Hare's-foot Clover	high	low
MH	Trifolium subterraneum	Subterranean Clover	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Trifolium dubium	Suckling Clover	high	low
SH	Trifolium glomeratum	Cluster Clover	high	low
LTG	Phalaris aquatica	Toowoomba Canary-grass	high	high
MTG	Lolium rigidum	Wimmera Rye-grass	high	low
MNG	Romulea rosea	Onion Grass	high	low
MNG	Briza minor	Lesser Quaking-grass	high	low
MNG	Briza maxima	Large Quaking-grass	high	low
MNG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low
MNG	Vulpia myuros	Rat's-tail Fescue	high	low
MNG	Juncus capitatus	Capitate Rush	high	low

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Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 80 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus camaldulensisRiver Red-gumEucalyptus melliodoraYellow Box

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	2	5%	MS
Small Shrub	1	1%	SS
Medium Herb	4	10%	MH
Small or Prostrate Herb	2	1%	SH
Large Tufted Graminoid	2	10%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	6	35%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		90%	

LF Code	Species typical of at least part of EVC range Acacia dealbata	Common Name Silver Wattle
MS	Hymenanthera dentata s.l.	Tree Violet
MH	Sida corrugata	Variable Sida
MH	Oxalis perennans	Grassland Wood-sorrel
MH	Persicaria decipiens	Slender Knotweed
SH	Chamaesyce drummondii	Flat Spurge
SH	Azolla filiculoides	Pacific Azolla
LTG	Carex appressa	Tall Sedge
LNG	Phragmites australis	Common Reed
LNG	Eleocharis sphacelata	Tall Spike-sedge
MTG	Poa labillardierei	Common Tussock-grass
MTG	Chloris truncata	Windmill Grass
MTG	Themeda triandra	Kangaroo Grass
MTG	Aristida behriana	Brush Wire-grass
MNG	Pseudoraphis spinescens	Spiny Mud-grass
MNG	Eleocharis acuta	Common Spike-sedge



EVC 56: Floodplain Riparian Woodland - Victorian Riverina bioregion

Recruitment:

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

Organic Litter:

40 % cover

Logs:

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
SH	Trifolium glomeratum	Cluster Clover	high	low

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EVC 61: Box Ironbark Forest

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 15 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus microcarpa
Eucalyptus polyanthemos
Eucalyptus leucoxylon
Eucalyptus tricarpa
Eucalyptus sideroxylon s.s.Red Box
Yellow Gum
Red Ironbark
Mugga

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	5	20%	MS
Small Shrub	3	5%	SS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	5	15%	MTG
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	20%	S/C
Total understorey projective foliage cover		75%	

F Code	Species typical of at least part of EVC range	Common Name

r Coae	Species typical of at least part of EVC range	Common Name
MS	Daviesia ulicifolia	Gorse Bitter-pea
MS	Cassinia arcuata	Drooping Cassinia
MS	Ozothamnus obcordatus	Grey Everlasting
MS	Brachyloma daphnoides	Daphne Heath
SS	Melichrus urceolatus	Urn Heath
SS	Pultenaea largiflorens	Twiggy Bush-pea
SS	Pultenaea prostrata	Silky Bush-pea
SS	Hovea heterophylla	Common Hovea
PS	Astroloma humifusum	Cranberry Heath
LH	Xerochrysum viscosum	Shiny Everlasting
LH	Wahlenbergia stricta	Tall Bluebell
LH	Senecio tenuiflorus	Slender Fireweed
MH	Gonocarpus tetragynus	Common Raspwort
MH	Goodenia hederacea	Ivy Goodenia
MH	Leptorhynchos squamatus	Scaly Buttons
MH	Pterostylis nana	Dwarf Greenhood
SH	Kennedia prostrata	Running Postman
MTG	Joycea pallida	Silvertop Wallaby-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Lomandra filiformis	Wattle Mat-rush
MTG	Austrodanthonia setacea	Bristly Wallaby-grass
GF	Cheilanthes austrotenuifolia	Green Rock-fern
SC	Thysanotus patersonii	Twining Fringe-lily
SC	Hardenbergia violacea	Purple Coral-pea



EVC 61: Box Ironbark Forest - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

20 m/0.1 ha.

Weediness:

r ccames				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Sonchus asper s.l.	Rough Sow-thistle	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Trifolium angustifolium var. angustifolium	Narrow-leaf Clover	high	low
MH	Trifolium campestre var. campestre	Hop Clover	high	low
MH	Centaurium erythraea	Common Centaury	high	low
LNG	Avena spp.	Oat	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Bromus diandrus	Great Brome	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low

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EVC 66: Low Rises Woodland

Description:

Eucalypt woodland to 15 m tall on elevated plains and low rises with a diverse shrub understorey and grassy field layer. Occurs in a range of environmental settings that have resulted in well-drained surface soils mantling clay sub-soils.

Large trees:

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

Tree Canopy Cover:

% cover	Character Species	Common Name
20%	Eucalyptus melliodora	Yellow Gum
	Eucalyptus microcarpa	Grey Box
	Callitris gracilis ssp. murrayensis	Slender Cypress-pine
	Callitris glaucophylla	White Cypress-pine
	Allocasuarina luehmannii	Buloke

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	5%	T
Medium Shrub	5	15%	MS
Small Shrub	3	5%	SS
Large Herb	1	1%	LH
Medium Herb	3	5%	MH
Small or Prostrate Herb	2	1%	SH
Medium to Small Tufted Graminoid	7	25%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		70%	

LF Code Species typical of at least part of EVC range Common Name

Li Couc	openes typical of at least part of Live range	Common Hame
T	Pittosporum angustifolium	Weeping Pittosporum
T	Myoporum platycarpum	Sugarwood
MS	Acacia pycnantha	Golden Wattle
MS	Hakea tephrosperma	Needlewood
MS	Bursaria spinosa	Sweet Bursaria
MS	Acacia oswaldii	Umbrella Wattle
SS	Eutaxia microphylla	Common Eutaxia
SS	Olearia pimeleoides	Pimelea Daisy-bush
MH	Vittadinia cuneata	Fuzzy New Holland Daisy
SH	Maireana enchylaenoides	Wingless Bluebush
SH	Goodenia pinnatifida	Cut-leaf Goodenia
SH	Oxalis perennans	Grassland Wood-sorrel
SH	Sida corrugata	Variable Sida
MTG	Lepidosperma viscidum	Sticky Sword-sedge
MTG	<i>Elymus scaber</i> var. <i>scaber</i>	Common Wheat-grass
MTG	Enteropogon acicularis	Windmill Grass
MTG	Austrodanthonia setacea	Bristly Wallaby-grass
MNG	Austrostipa elegantissima	Feather Spear-grass
SC	Clematis microphylla	Small-leaved Clematis



EVC 66: Low Rises Woodland – Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

15% cover

Logs:

20m/0.1 ha.

Weediness:

Typical Weed Species	Common Name	Invasive	Impact
Olea europaea	Olive	high	high
Lycium ferocissimum	Boxthorn	high	high
Centaurium tenuiflorum	Slender Centaury	high	low
Gazania linearis	Gazania	high	high
Opuntia robusta	Wheel Cactus	high	high
Hypochoeris radicata	Cat's Ear	high	low
Hypochoeris glabra	Smooth Cat's-ear	high	low
Trifolium campestre var. campestre	Hop Clover	high	low
Trifolium angustifolium var. angustifolium	Narrow-leaf Clover	high	low
Trifolium arvense var. arvense	Hare's-foot Clover	high	low
Petrorhagia velutina	Velvety Pink	high	low
Oxalis pes-caprae	Soursob	high	high
Briza minor	Lesser Quaking-grass	high	low
Briza maxima	Large Quaking-grass	high	low
Romulea rosea	Onion Grass	high	high
Vulpia bromoides	Squirrel-tail Fescue	high	high
Lolium rigidum	Wimmera Rye-grass	high	low
Aira elegantissima	9	high	low
Ehrharta calycina	Perennial Veldt Grass	high	high
Vulpia myuros f. myuros	Rat's-tail Fescue	high	high
Juncus capitatus	Capitate Rush	high	low
Bromus rubens	Red Brome	high	high
Poa bulbosa	Bulbous Meadow-grass	high	high
Asparagus asparagoides	Bridal Creeper	high	high
	Typical Weed Species Olea europaea Lycium ferocissimum Centaurium tenuiflorum Gazania linearis Opuntia robusta Hypochoeris radicata Hypochoeris glabra Trifolium campestre var. campestre Trifolium angustifolium var. angustifolium Trifolium arvense var. arvense Petrorhagia velutina Oxalis pes-caprae Briza minor Briza maxima Romulea rosea Vulpia bromoides Lolium rigidum Aira elegantissima Ehrharta calycina Vulpia myuros f. myuros Juncus capitatus Bromus rubens Poa bulbosa	Typical Weed Species Olea europaea Lycium ferocissimum Centaurium tenuiflorum Gazania linearis Opuntia robusta Hypochoeris radicata Hypochoeris glabra Trifolium campestre var. campestre Trifolium angustifolium var. angustifolium Trifolium arvense var. arvense Petrorhagia velutina Oxalis pes-caprae Briza minor Briza maxima Romulea rosea Vulpia bromoides Lolium rigidum Aira elegantissima Ehrharta calycina Veludey Formus vense Foa bulbosa Common Name Olive Boxthorn Slender Centaury Gazania Wheel Cactus Wheel Cactus Cat's Ear Hop Clover Hop Clover Hare's-foot Clover Velvety Pink Soursob Lesser Quaking-grass Large Quaking-grass Squirrel-tail Fescue Wimmera Rye-grass Delicate Hair-grass Perennial Veldt Grass Vulpia myuros f. myuros Juncus capitatus Red Brome Poa bulbosa	Typical Weed SpeciesCommon NameInvasiveOlea europaeaOlivehighLycium ferocissimumBoxthornhighCentaurium tenuiflorumSlender CentauryhighGazania linearisGazaniahighOpuntia robustaWheel CactushighHypochoeris radicataCat's EarhighHypochoeris glabraSmooth Cat's-earhighTrifolium campestre var. campestreHop CloverhighTrifolium angustifolium var. angustifoliumNarrow-leaf CloverhighTrifolium arvense var. arvenseHare's-foot CloverhighPetrorhagia velutinaVelvety PinkhighOxalis pes-capraeSoursobhighBriza minorLesser Quaking-grasshighBriza maximaLarge Quaking-grasshighRomulea roseaOnion GrasshighVulpia bromoidesSquirrel-tail FescuehighLolium rigidumWimmera Rye-grasshighAira elegantissimaDelicate Hair-grasshighEhrharta calycinaPerennial Veldt GrasshighVulpia myuros f. myurosRat's-tail FescuehighJuncus capitatusCapitate RushhighBromus rubensRed BromehighPoa bulbosaBulbous Meadow-grasshigh

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EVC 67: Alluvial Terraces Herb-rich Woodland

Description:

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 10 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus melliodora
Eucalyptus camaldulensis
Eucalyptus microcarpa
Eucalyptus albens
Eucalyptus goniocalyx s.s.River Red-gum
Grey Box
White Box
Bundy

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	5	5%	MS
Small Shrub	2	5%	SS
Large Herb	2	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb*	3	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	15	30%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C
* Largely seasonal life form			

<i>,</i>				

Species typical of at least part of EVC range	Common Name
Acacia dealbata	Silver Wattle
Acacia verniciflua	Varnish Wattle
Acacia paradoxa	Hedge Wattle
Bursaria spinosa ssp. spinosa	Sweet Bursaria
Pimelea humilis	Common Rice-flower
Pultenaea humilis	Dwarf Bush-pea
Senecio tenuiflorus	Slender Fireweed
Senecio quadridentatus	Cotton Fireweed
Gonocarpus tetragynus	Common Raspwort
Lagenophora huegelii	Coarse Bottle-daisy
Wurmbea dioica	Common Early Nancy
Solenogyne dominii	Smooth Solenogyne
Hydrocotyle laxiflora	Stinking Pennywort
Juncus flavidus	Gold Rush
Juncus subsecundus	Finger Rush
Dianella revoluta s.l.	Black-anther Flax-lily
Schoenus apogon	Common Bog-sedge
Lomandra filiformis	Wattle Mat-rush
Microlaena stipoides var. stipoides	Weeping Grass
	Acacia dealbata Acacia verniciflua Acacia paradoxa Bursaria spinosa ssp. spinosa Pimelea humilis Pultenaea humilis Senecio tenuiflorus Senecio quadridentatus Gonocarpus tetragynus Lagenophora huegelii Wurmbea dioica Solenogyne dominii Hydrocotyle laxiflora Juncus flavidus Juncus subsecundus Dianella revoluta s.l. Schoenus apogon Lomandra filiformis



EVC 67: Alluvial Terraces Herb-rich Woodland -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

15 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low
Und	<i>Trifolium</i> spp.	Clover	high	low

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EVC 68: Creekline Grassy Woodland

Description:

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus camaldulensisRiver Red-gum

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

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



EVC 68: Creekline Grassy Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

30 m/0.1 ha.

Weediness:

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

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EVC 72: Granitic Hills Woodland

Description:

Mainly restricted to granite rocky outcrops and structurally consists of a low woodland to 10 m high with the dominant trees often being stunted.

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.50 cm15 / haCallitris spp.30 cm

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus blakelyiBlakely's Red-gumEucalyptus macrorhynchaRed StringybarkCallitris endlicheriBlack Cypress-pineCallitris glaucophyllaWhite Cypress-pineEucalyptus goniocalyx s.l.Bundy

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

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



EVC 72: Granitic Hills Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

weeuiiiess.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Cerastium glomeratum s.l.	Common Mouse-ear Chickweed	high	low
MH	Galium murale	Small Goosegrass	high	low
MH	Galium divaricatum	Slender Bedstraw	high	low
MH	Petrorhagia velutina	Velvety Pink	high	low
MH	Centaurium spp.	Centaury	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus blakelyiBlakely's Red-gumEucalyptus bridgesiana s.s.But But

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

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



EVC 80: Spring Soak Woodland – Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

5 m/0.1 ha.

Weediness:

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

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

Canopy Cover:

%coverCharacter SpeciesCommon Name30%Acacia melanoxylonBlackwoodPomaderris asperaHazel PomaderrisAcacia dealbataSilver Wattle

Understorey:

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

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



EVC 82: Riverine Escarpment Scrub -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

40 % cover

Logs:

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

Weediness:

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

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For more information contact: Customer Service Centre, $136\ 186$

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

Description:

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

Tree Canopy Cover⁺:

%cover	Character Species	Common Name
30%	Eucalyptus viridis	Green Mallee
	Eucalyptus behriana	Bull Mallee

Understorey:

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

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

Recruitment:

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

Organic Litter:

20 % cover

Logs*

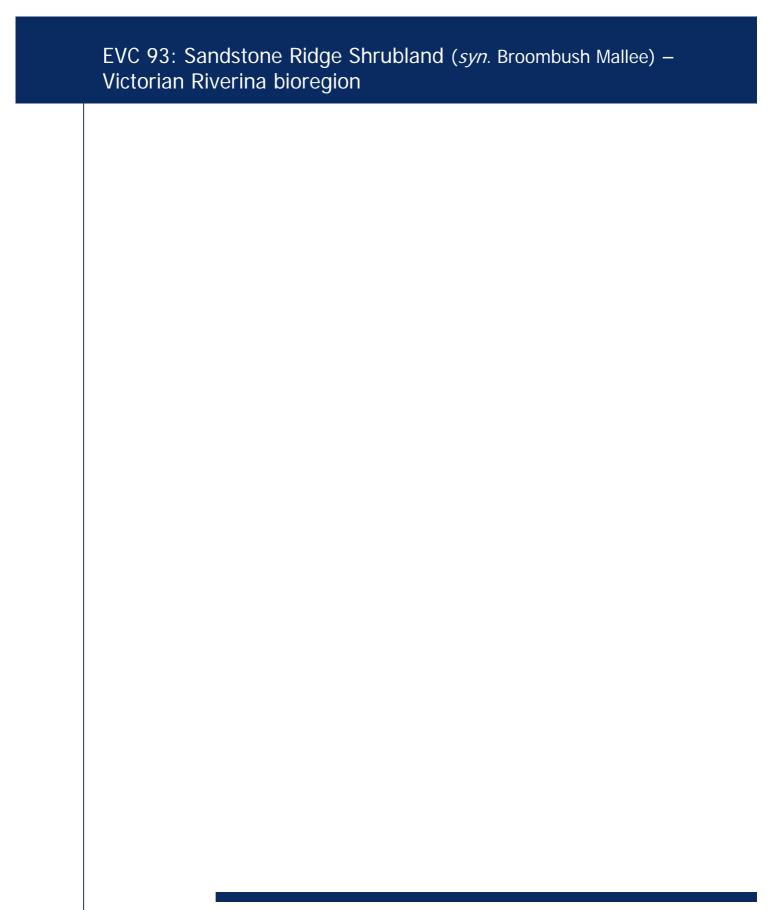
5 m/0.1 ha. (note: large log class does not apply)

Weediness:

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



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



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

Tree Canopy Cover:

%cover	Character Species	Common Name
30%	Eucalyptus behriana	Bull Mallee
	Eucalyptus viridis	Green Mallee

Understorey:

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

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

Recruitment:

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

Organic Litter:

20 % cover



EVC 93_61: Treed Sandstone Ridge Shrubland

Logs:

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

Weediness:

LF Code Typical Weed Species Common Name Invasive **Impact** МН Hypochoeris glabra Smooth Cat's-ear high low

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Open, quite grassy mallee woodland to 10 m tall, typical of the gently undulating "plains" of the Wimmera and Southern Mallee. Soils are somewhat variable but are typically duplex with grey or brown sandy clay loam or clay loam topsoils of aeolian origin.

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.30 cm15/haAllocasuarina luehmannii40 cm

Tree Canopy Cover:

% coverCharacter SpeciesCommon Name10%Eucalyptus dumosaDumosa MalleeEucalyptus behrianaBull MalleeAllocasuarina luehmanniiBuloke

Understorey:

Jiidei Storey.			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	3	5%	MS
Small Shrub	3	10%	SS
Prostrate Shrub	1	1%	PS
Large Herb	2	5%	LH
Medium Herb*	5	10%	MH
Small or Prostrate Herb*	5	15%	SH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	1%	LNG
Medium to Small Tufted Graminoid	3	20%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	20%	S/C

^{*} Largely seasonal lifeform

LF Code MS	Species typical of at least part of EVC range Acacia melvillei	Common Name Myall
MS	Acacia oswaldii	Umbrella Wattle
MS	Eremophila longifolia	Berrigan
SS	Maireana brevifolia	Short-leaf Bluebush
SS	Sclerolaena diacantha	Grey Copperburr
SS	Enchylaena tomentosa var. tomentosa	Ruby Saltbush
SS	Rhagodia spinescens	Hedge Saltbush
PS	Atriplex semibaccata	Berry Saltbush
MH	Einadia nutans ssp. nutans	Nodding Saltbush
MH	Maireana enchylaenoides	Wingless Bluebush
MH	Maireana excavata	Bottle Bluebush
MH	Maireana enchylaenoides	Wingless Bluebush
SH	Chenopodium desertorum	Frosted Goosefoot
SH	Oxalis perennans	Grassland Wood-sorrel
SH	Brachyscome lineariloba	Hard-head Daisy
SH	<i>Hyalosperma</i> spp.	Sunray
LTG	Austrostipa aristiglumis	Plains Grass
MTG	Austrodanthonia setacea	Bristly Wallaby-grass
MTG	Austrodanthonia caespitosa	Common Wallaby-grass
MTG	Austrostipa scabra	Rough Spear-grass
LNG	Austrostipa platychaeta	Flat-awned Spear-grass
MNG	Austrostipa elegantissima	Feather Spear-grass



EVC 96: Ridged Plains Mallee – Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

5% cover

Logs:

5m/0.1 ha.

Weediness:

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EVC 97: Semi-arid Woodland

Description:

Non-eucalypt woodland or open forest to 12 m tall, of low rainfall areas. Occurs in a range of somewhat elevated positions not subject to flooding or inundation. The surface soils are typically light textured loamy sands or sandy loams.

Large trees:

Species	DBH(cm)	#/ha
<i>Allocasuarina</i> spp.	40 cm	20 / ha
Callitris spp.	40 cm	
Myoporum platycarpum	35 cm	

Tree Canopy Cover:

% cover	Character Species	Common Name
20%	Allocasuarina luehmannii	Buloke
	Callitris gracilis ssp. murrayensis	Slender Cypress-pine
	Myonorum platycarnum	Sugarwood

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Medium Shrub	5	15%	MS
Small Shrub	5	20%	SS
Large Herb*	2	5%	LH
Medium Herb*	7	5%	MH
Small or Prostrate Herb*	2	5%	SH
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	20%	S/C

* Largely seasonal life form Total understorey projective foliage cov

Tota l	understorev	projective foliage cover	75%

LF Code	Species typical of at least part of EVC range	Common Name
MS	Alectryon oleifolius ssp. canescens	Cattle Bush
MS	Acacia oswaldii	Umbrella Wattle
MS	Hakea tephrosperma	Hooked Needlewood
MS	Hakea leucoptera ssp. leucoptera	Silver Needlewood
SS	Enchylaena tomentosa var. tomentosa	Ruby Saltbush
SS	Sclerolaena diacantha	Grey Copperburr
SS	Olearia pimeleoides	Pimelea Daisy-bush
SS	Rhagodia spinescens	Hedge Saltbush
MH	Einadia nutans ssp. nutans	Nodding Saltbush
MH	Vittadinia dissecta s.l.	Dissected New Holland Daisy
MH	Calandrinia eremaea	Small Purslane
MH	Crassula colorata	Dense Crassula
SH	Actinobole uliginosum	Flannel Cudweed
MTG	Austrodanthonia caespitosa	Common Wallaby-grass
MTG	Austrostipa spp.	Spear-grass
MNG	Austrostipa elegantissima	Feather Spear-grass



EVC 97: Semi-arid Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20% cover

Logs:

20 m/0.1 ha.

Weediness:

weeuiiiess.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Brassica tournefortii	Mediterranean Turnip	high	high
LH	Reichardia tingitana	Reichardia	high	low
MH	Silene spp.	Catchfly	high	high
SH	Medicago minima	Little Medic	high	high
MTG	Schismus barbatus	Arabian Grass	high	high
MTG	Pentaschistis airoides ssp. airoides	False Hair-grass	high	high
MNG	Bromus rubens	Red Brome	high	high
MNG	Vulpia myuros	Rat's-tail Fescue	high	high
MNG	Critesion murinum subsp. glaucum	Blue Barley-grass	high	high
SC	Asparagus asparagoides	Bridal Creeper	high	high

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EVC 98: Semi-arid Chenopod Woodland

Description:

Sparse, low non-eucalypt woodland to 12 m tall of the arid zone with a tall open chenopod shrub-dominated understorey or a treeless, tall chenopod shrubland to 3 m tall. This EVC may occur as either a woodland (typically with a very open structure but tree cover >10%) or a shrubland (tree cover <10%) with trees as an occasional emergent.

Large trees⁺:

Species	DBH(cm)	#/ha
Casuarina pauper	40 cm	15/ha
Allocasuarina luehmannii	40 cm	
Callitris gracilis	40 cm	
Myoporum platycarpum	35 cm	

Tree Canopy Cover+:

% cover	Character Species	Common Name
15%	Casuarina pauper	Belah
	Allocasuarina luehmannii	Buloke
	Myoporum platycarpum	Sugarwood
	Callitris gracilis ssp. murravensis	Slender Native Pine

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree ⁺		5%	IT
Understorey Tree or Large Shrub ⁺	3	10%	T
Medium Shrub	2	40%	MS
Small Shrub	4	15%	SS
Prostrate Shrub	1	1%	PS
Large Herb*	2	5%	LH
Medium Herb*	6	15%	MH
Small or Prostrate Herb*	8	15%	SH
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	1%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	30%	S/C
t i c c			

^{*} Largely seasonal life form

LF Code	Species typical of at least part of EVC range Alectryon oleifolius ssp. canescens Acacia melvillei	Common Name Cattlebush Myall
T+	Hakea leucoptera ssp. leucoptera	Silver Needlewood
MS	Maireana pyramidata	Shrubby Bluebush
MS	Maireana sedifolia	Pearl Bluebush
MS	Atriplex nummularia	Old Man Saltbush
MS	Nitraria billardierei	Nitre-bush
SS	Sclerolaena obliquicuspis	Limestone Copperburr
SS	Sclerolaena tricuspis	Three-spined Bassia
SS	Sclerolaena divaricata	Tangled Bassia
SS	Enchylaena tomentosa var. tomentosa	Ruby Saltbush
PS	Sclerochlamys brachyptera	Short-wing Saltbush
LH	Polycalymma stuartii	Poached-egg Daisy
MH	Brachyscome lineariloba	Hard-head Daisy
MH	Osteocarpum acropterum var. deminutum	Babbagia
MH	Zygophyllum crenatum	Hard-head Daisy
MH	Zygophyllum ammophilum	Sand Twin-leaf



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

EVC 98: Semi-arid Chenopod Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

15% in woodland+ 5% in shrubland

Logs+:

5m/0.1ha

Weediness:

weeumess.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Sonchus oleraceus	Common Sow-thistle	high	low
LH	Brassica tournefortii	Mediterranean Turnip	high	high
LH	Salvia verbenaca	Wild Sage	high	high
LH	Sisymbrium erysimoides	Smooth Mustard	high	high
MH	Reichardia tingitana	False Sow-thistle	low	low
MH	Limonium spp.	Sea-lavender	high	high
MH	Silene apetala var. apetala	Sand Catchfly	high	high
MH	Erodium cicutarium	Common Heron's-bill	high	low
MH	Carrichtera annua	Ward's Weed	high	high
SH	Medicago minima	Little Medic	high	high
MTG	Schismus barbatus	Arabian Grass	high	high
MTG	Critesion murinum ssp. glaucum	Blue Barley-grass	high	high
MNG	Bromus rubens	Red Brome	high	high
MNG	<i>Vulpia</i> spp.		high	high

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For more information contact: Customer Service Centre, 136 186

EVC 101: Samphire Shrubland

Description:

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

Life forms:

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

SS SS SS MH MH MH SH SH SH SH SH SH	r	Species typical of at least part of EVC range Halosarcia pruinosa Halosarcia halocnemoides ssp. halocnemoides Halosarcia pergranulata Frankenia sessilis Senecio glossanthus Hymenolobus procumbens Brachyscome lineariloba Brachyscome exilis Disphyma crassifolium ssp. clavellatum Pogonolepis muelleriana Crassula sieberiana Millotia muelleri	Common Name Bluish Glasswort Grey Glasswort Blackseed Glasswort Small-leaf Sea-heath Slender Groundsel Oval Purse Hard-head Daisy Finger-leaved Daisy Rounded Noon-flower Stiff Cup-flower Sieber Crassula Common Bow-flower
MTG MNG		Triglochin calcitrapum s.l. Triglochin nanum	Spurred Arrowgrass Dwarf Arrowgrass
		<u> </u>	3

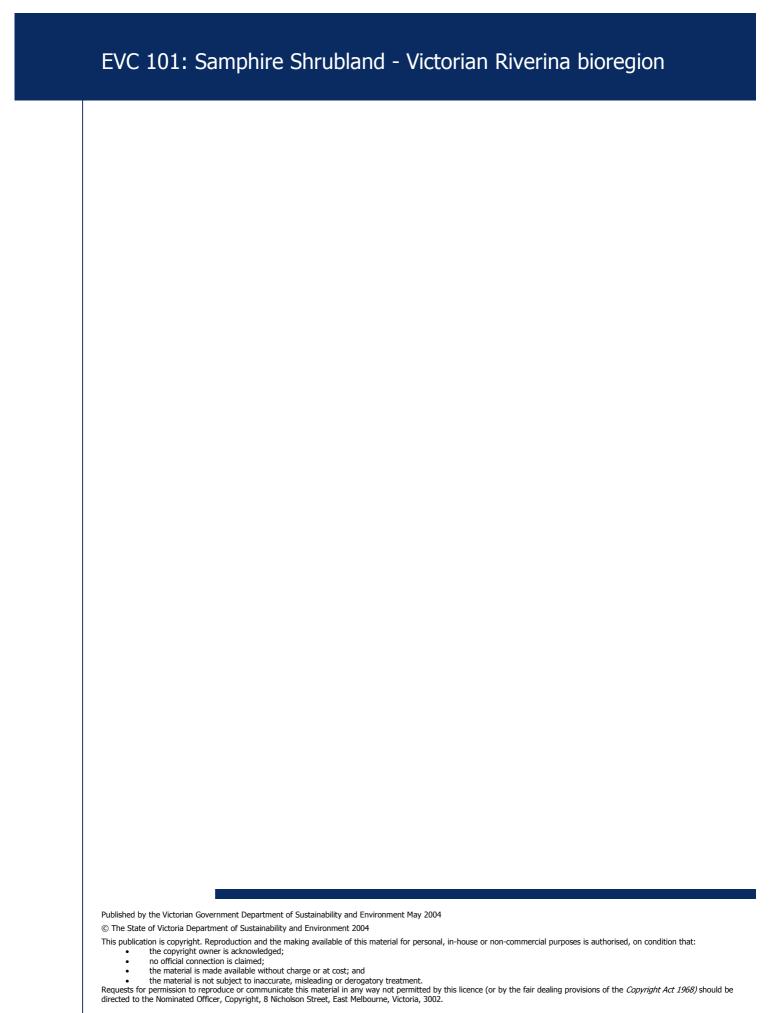
Recruitment:

Continuous

Weediness:

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





For more information contact: Customer Service Centre, 136 186

Eucalypt woodland to 15 m tall with a diverse shrubby and grassy understorey occurring on most elevated riverine terraces. Confined to heavy clay soils on higher level terraces within or on the margins of riverine floodplains (or former floodplains), naturally subject to only extremely infrequent incidental shallow flooding from major events if at all flooded.

65%

Rounded Noon-flower

Hairy Bluebush

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus largiflorensBlack Box

Understorey:

,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	30%	MS
Small Shrub	5	25%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	5	5%	MH
Small or Prostrate Herb*	5	10%	SH
Medium to Small Tufted Graminoid	2	5%	MTG
Soil Crust	na	10%	S/C

^{*} Largely seasonal life form

Total understorey projective foliage cover

Disphyma crassifolium ssp. clavellatum

Maireana pentagona

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia stenophylla	River Coobah
MS	Atriplex nummularia	Old-man Saltbush
MS	Chenopodium nitrariaceum	Nitre Goosefoot
MS	Eremophila divaricata ssp. divaricata	Spreading Emu-bush
SS	Sclerolaena tricuspis	Streaked Copperburr
SS	Enchylaena tomentosa var. tomentosa	Ruby Saltbush
SS	Atriplex lindleyi	Flat-top Saltbush
SS	Rhagodia spinescens	Hedge Saltbush
PS	Sclerochlamys brachyptera	Short-wing Saltbush
MH	Einadia nutans ssp. nutans	Nodding Saltbush
MH	Calocephalus sonderi	Pale Beauty-heads
MH	Senecio glossanthus	Slender Groundsel
MH	Brachyscome lineariloha	Hard-head Daisy

Recruitment:

SH

SH

Continuous

Organic Litter:

5% cover

Logs:

5 m/0.1 ha.



EVC 103: Riverine Chenopod Woodland - Victorian Riverina bioregion

Weediness:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
T	Olea europaea subsp. europaea	Olive	low	high .
MS	Lycium ferocissimum	Boxthorn	low	high
LH	Sisymbrium erysimoides	Smooth Mustard	high	high
LH	Critesion spp.	Barley-grass	high	low
LH	Gazania linearis	Gazania	high	high
LH	Opuntia spp.	Prickly Pear	low	high
LH	Sisymbrium irio	London Mustard	high	high
LH	Psilocaulon granulicaule	Noon-flower	high	high
MH	Limonium sinuatum	Notch-leaf Sea-lavender	high	high
MH	Limonium lobatum	Winged Sea-lavender	high	high
MH	<i>Trifolium arvense</i> var. <i>arvense</i>	Hare's-foot Clover	high	low
MH	Mesembryanthemum nodiflora	Ice-plant	high	high
MH	Carrichtera annua	Ward's Weed	high	high
MH	Marrubium vulgare	Horehound	high	high
MH	Carpobrotus aequilaterus	Angled Pigface	low	high
MH	<i>Silene apetala</i> var. <i>apetala</i>	Sand Catchfly	high	low
MH	<i>Medicago</i> spp.	Medic	high	low
MH	Oxalis pes-caprae	Soursob	high	high
MH	Silene gallica	French Catchfly	high	low
MH	Silene nocturna	Mediterranean Catchfly	high	low
SH	Mesembryanthemum crystallinum	Common Ice-plant	high	high
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	high
MTG	Lolium rigidum	Wimmera Rye-grass	high	low
MTG	Asphodelus fistulosus	Onion Weed	high	high
MNG	Bromus rubens	Red Brome	high	high
MNG	Vulpia myuros	Rat's-tail Fescue	high	low
MNG	Bromus spp.	Brome	high	high
MNG	Schismus barbatus	Arabian Grass	high	low

Bridal Creeper

high

high

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Asparagus asparagoides

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Typically treeless shrubland to 4 m tall with robust (but sometimes patchy) growth of lignum. Widespread wetland vegetation type in low rainfall areas on heavy soils, subject to infrequent inundation resulting from overbank flows from rivers or local runoff

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	1	20%	MS
Large Herb*	4	5%	LH
Medium Herb*	8	25%	MH
Small or Prostrate Herb*	2	10%	SH
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid*	2	5%	MNG
Scrambler or Climber	1	1%	SC
Soil crust*	na	10%	S/C

^{*} Largely seasonal life form

Total understorey projective foliage cover

LF Code Species typical of at least part of EVC range		Common Name
MS	Muehlenbeckia florulenta	Tangled Lignum
MS	Chenopodium nitrariaceum	Nitre Goosefoot
SS	Sclerolaena tricuspis	Three-spined Bassia
SS	Sclerolaena muricata	Five-spined Bassia
LH	Rumex spp.	Dock
MH	Marsilea drummondii	Common Nardoo
MH	Goodenia spp.	Goodenia
MH	Ranunculus spp.	Buttercup
LNG	Eragrostis australasica	Cane Grass
MNG	Eragrostis infecunda	Barren Cane grass
MTG	Juncus spp.	Rush
MNG	Eleocharis spp.	Spike-sedge
SC	Asperula gemella	Twin-leaf Bedstraw

Recruitment:

Continuous

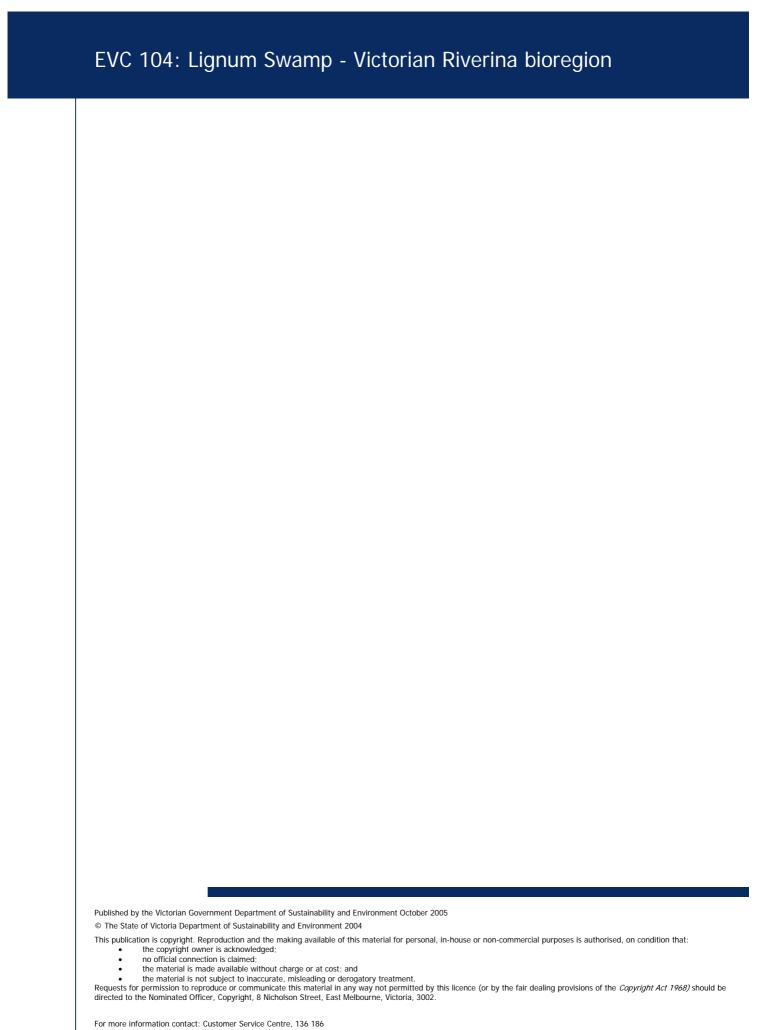
Organic Litter:

5% cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
SH	Phyla canescens	Lippia	high	high





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Description: Occurs on the floodplain of major rivers, in a slightly elevated position where floods are infrequent, on deposited silts and sands, forming fertile alluvial soils. River Red Gum forest to 25 m tall with a groundlayer dominated by graminoids. Occasional tall shrubs present.

Large trees:

DBH(cm) #/ha **Species** 20 / ha Eucalyptus spp. 90 cm

Tree Canopy Cover:

%cover **Character Species Common Name** 30% Eucalyptus camaldulensis River Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	10%	T
Large Herb	2	10%	LH
Medium Herb	3	10%	MH
Medium to Small Tufted Graminoid	3	25%	MTG
Medium to Tiny Non-tufted Graminoid	3	10%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		75%	

LF Code	Species typica	I of at least	part of EVC range

.F Code	Species typical of at least part of EVC range	Common Name
T	Acacia stenophylla	Eumong
LH	Wahlenbergia fluminalis	River Bluebell
LH	Senecio quadridentatus	Cotton Fireweed
MH	Goodenia fascicularis	Silky Goodenia
MH	Eclipta platyglossa	Yellow Twin-heads
MTG	Setaria jubiflora	Warrego Summer-grass
MNG	Eleocharis acuta	Common Spike-sedge

Recruitment:

Continuous

Organic Litter:

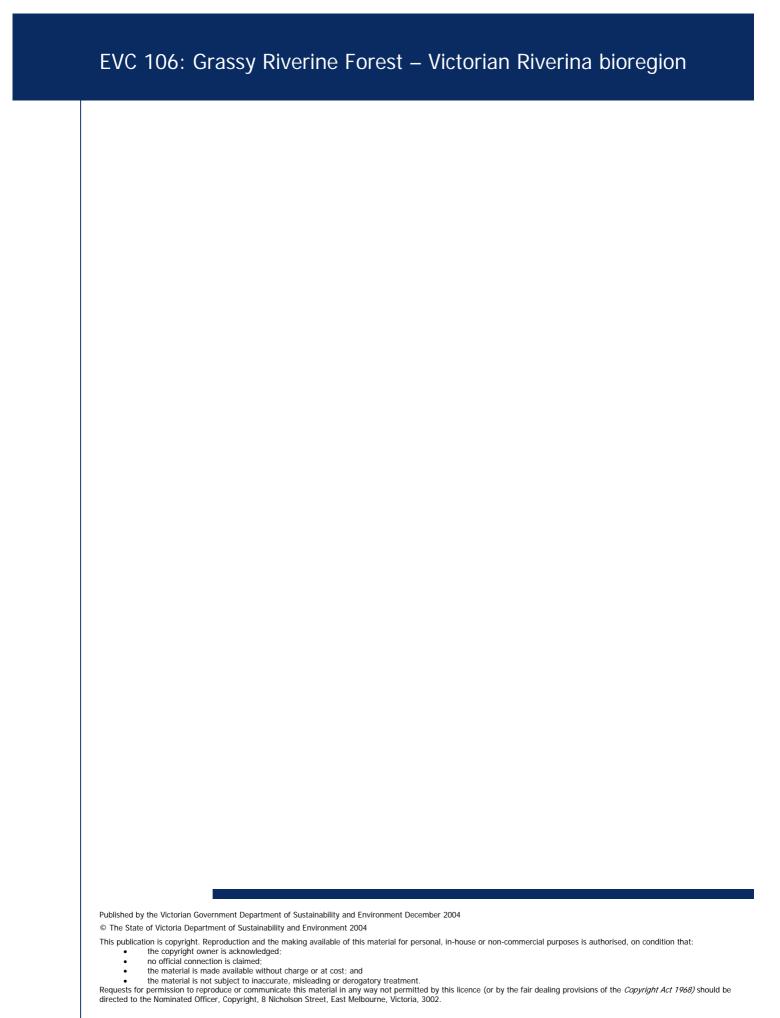
40 % cover

30 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Lactuca serriola	Prickly Lettuce	high	low •
LH	Sonchus oleraceus	Common Sow-thistle	high	low
LH	Centaurea melitensis	Malta Thistle	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Trifolium arvense var. arvense	Hare's-foot Clover	high	low
MH	Reichardia tingitana	False Sow-thistle	high	low
MH	Phyla canescens	Fog-fruit	high	high
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MNG	Bromus rubens	Red Brome	high	low





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For more information contact: Customer Service Centre, 136 186

Herbland or shrubland to 0.5 m tall dominated by species adapted to drying mud within lake beds. Some evade periods of prolonged inundation as seed, others as dormant tuber-like rootstocks. Occupies drying deep-cracking mud of lakes on floodplains. Floods are intermittent but water may be retained for several seasons leading to active growth at the 'drying mud stage'.

55%

Life forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	5%	MS
Small Shrub	2	5%	SS
Medium Herb*	3	25%	MH
Small or Prostrate Herb*	3	20%	SH
Medium to Small Tufted Graminoid	2	5%	MTG
* Largely seasonal life form			

Total understorey projective foliage cover

EVC 107: Lake Bed Herbland

LF Code	Species typical of at least part of EVC range	Common Name
LF Coue		
MS	<i>Malva australiana</i> s.l.	Southern Hollyhock
MS	Solanum simile	Oondoroo
SS	Glycyrrhiza acanthocarpa	Southern Liquorice
SS	Muehlenbeckia horrida ssp. horrida	Spiny Lignum
MH	Chenopodium pumilio	Clammy Goosefoot
MH	Chenopodium glaucum	Glaucous Goosefoot
SH	Glossostigma elatinoides	Small Mud-mat
SH	Glinus lotoides	Hairy Carpet-weed
SH	Mukia micrantha	Mallee Cucumber

Recruitment:

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

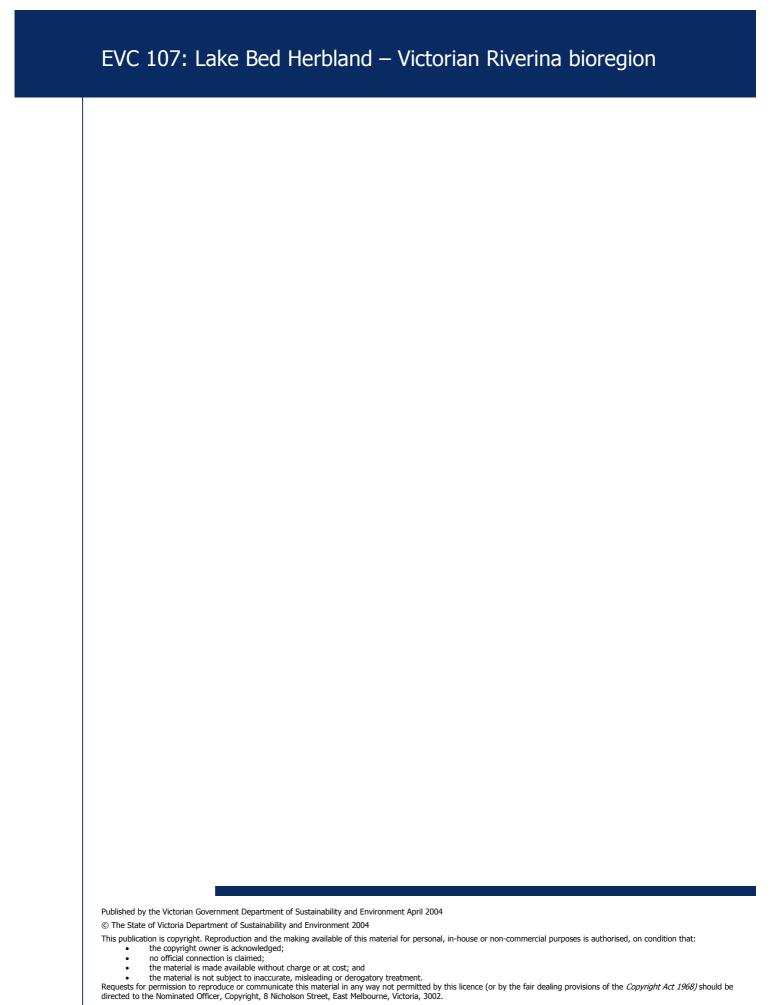
Organic Litter:

5% cover

Weediness:

There are no consistent weeds in this EVC.





For more information contact: Customer Service Centre, 136 186



This EVC is usually treeless, but in some instances can include sparse Black Box *Eucalyptus largiflorens* or River Red Gum *Eucalyptus camaldulensis*. A sparse shrub component may also be present. The characteristic ground cover is dominated by grasses and small sedges and herbs. The vegetation is typically species-rich on the outer verges but is usually species-poor in the wetter central areas

Life forms:

Life form	#Spp	%Cover	LF code
Large Herb	5	5%	LH
Medium Herb	11	20%	MH
Small or Prostrate Herb	6	10%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	7	20%	MTG
Medium to Tiny Non-tufted Graminoid	3	30%	MNG
Bryophytes/Lichens	na	10%	BL

LF Code LH	Species typical of at least part of EVC range Rumex dumosus	Common Name Wiry Dock
LH	Brachyscome basaltica var. gracilis	Woodland Swamp-daisy
LH	Epilobium hirtigerum	Hairy Willow-herb
LH	Eryngium ovinum	Blue Devil
MH	Craspedia glauca spp. agg.	Common Billy-buttons
MH	Potamogeton tricarinatus s.l.	Floating Pondweed
MH	Marsilea drummondii	Common Nardoo
SH	Lobelia concolor	Poison Pratia
SH	Limosella australis	Austral Mudwort
SH	Myriocephalus rhizocephalus	Woolly-heads
SH	Neopaxia australasica	White Purslane
LTG	Amphibromus nervosus	Common Swamp Wallaby-grass
LTG	Juncus flavidus	Gold Rush
MTG	Austrodanthonia duttoniana	Brown-back Wallaby-grass
MTG	Juncus holoschoenus	Joint-leaf Rush
MTG	Carex inversa	Knob Sedge
MTG	Amphibromus macrorhinus	Long-nosed Swamp Wallaby-grass
MNG	Eleocharis acuta	Common Spike-sedge
MNG	Eragrostis infecunda	Southern Cane-grass

Recruitment:

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

Organic Litter:

10% cover

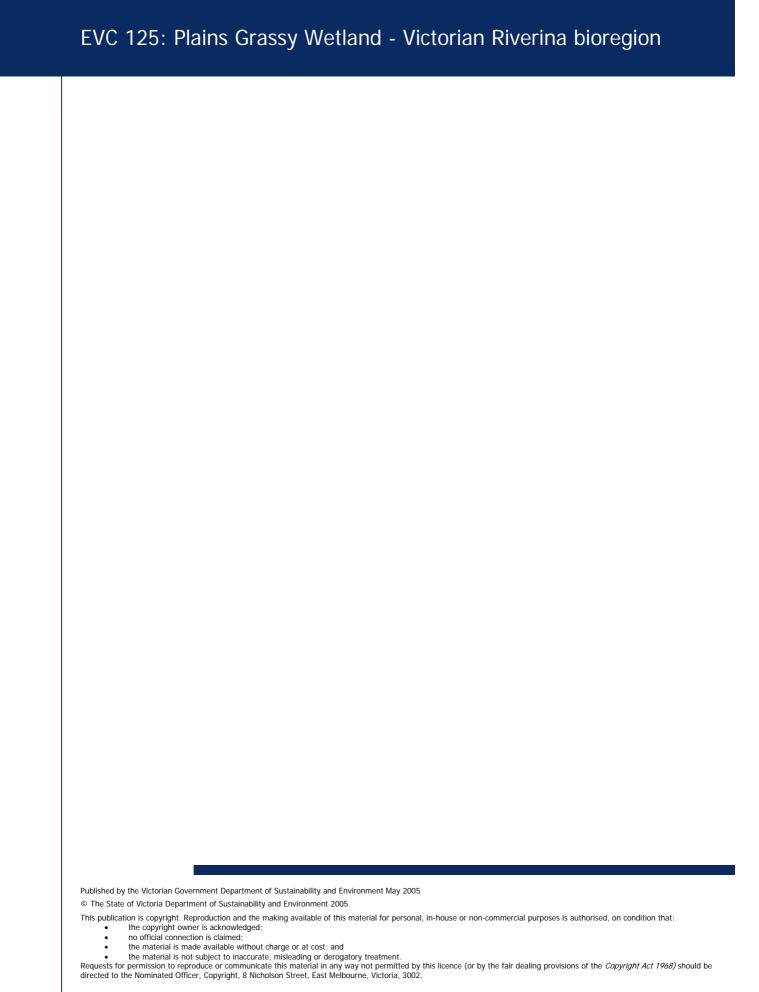
Logs

5 m/0.1 ha.(where trees are overhanging the wetland)

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
LNG	Avena fatua	Wild Oat	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Critesion hystrix	Mediterranean Barley-grass	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low





For more information contact: Customer Service Centre, 136 186

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

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 70 cm
 20 / ha

Tree Canopy Cover:

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

Understorey:

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



EVC 127: Valley Heathy Forest - Victorian Riverina bioregion

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

Recruitment:

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

Organic Litter:

40 % cover

Logs:

20 m/0.1 ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
T	Pinus radiata	Radiata Pine	low	high
MS	Rubus fruticosus spp. agg.	Blackberry	high	high
LH	Plantago lanceolata	Ribwort	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MTG	Briza maxima	Large Quaking-grass	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high

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EVC 132: Plains Grassland

Description:

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

Life forms:

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

^{*} Largely seasonal life form

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

Recruitment:

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

Organic Litter:

10% cover



EVC 132: Plains Grassland - Victorian Riverina bioregion

Weediness:

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

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EVC 175_61: Low Rises Grassy Woodland

Description:

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus microcarpa
Eucalyptus albens
Eucalyptus melliodora
Eucalyptus blakelyi
Allocasuarina verticillataGrey Box
White Box
Yellow Box
Blakely's Red Gum
Drooping Sheoak

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	10%	MS
Small Shrub	4	5%	SS
Prostrate Shrub	1	1%	PS
Large Herb	3	5%	LH
Medium Herb	12	20%	MH
Large Tufted Graminoid	1	5%	LTG
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	19	40%	MTG
Medium to Tiny Non-tufted Graminoid	4	5%	MNG
Ground Fern	1	1%	GF
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

MS SS r SS SS SS PS LH MH MH MH MTG MTG MTG MTG MTG MTG MTG MTG SC	Pimelea curviflora s.l. Pimelea humilis Eutaxia microphylla Astroloma humifusum Wahlenbergia stricta Asperula conferta Einadia nutans ssp. nutans Gonocarpus tetragynus Austrostipa mollis Dianella revoluta s.l. Themeda triandra Bothriochloa macra Poa sieberiana Austrostipa elegantissima Cheilanthes austrotenuifolia	Leafy Templetonia Curved Rice-flower Common Rice-flower Common Eutaxia Cranberry Heath Tall Bluebell Common Woodruff Nodding Saltbush Common Raspwort Supple Spear-grass Black-anther Flax-lily Kangaroo Grass Red-leg Grass Grey Tussock-grass Feather Spear-grass Green Rock Fern Pink Bindweed
MNG GF	Austrostipa elegantissima	Feather Spear-grass Green Rock Fern



EVC 175_61: Low Rises Grassy Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

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

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EVC 175_62: Shrubby Granitic-outwash Grassy Woodland

Description:

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

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.70 cm15 / haAllocasuarina spp.50 cm

Tree Canopy Cover:

%cover **Character Species Common Name** 15% Eucalyptus blakelyi Blakely's Red Gum Red Stringybark Eucalyptus macrorhyncha Eucalyptus polyanthemos Red Box Eucalyptus melliodora Yellow Box Long-leaf Box Eucalyptus goniocalyx s.l. Allocasuarina verticillata Drooping Sheoak

Understorey:

ilaci storcy:			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	2	10%	T
Medium Shrub	2	5%	MS
Small Shrub	7	15%	SS
Prostrate Shrub	1	1%	PS
Medium Herb	8	10%	MH
Large Tufted Graminoid	1	5%	LTG
Medium to Small Tufted Graminoid	10	20%	MTG
Medium to Tiny Non-tufted Graminoid	5	10%	MNG
Ground Fern	1	1%	GF
Scrambler or Climber	1	1%	SC
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.



EVC 175_62: Shrubby Granitic-outwash Grassy Woodland -Victorian Riverina bioregion

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

Weediness:

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

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

Description:

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

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.70 cm10 / haAllocasuarina luehmannii40 cm

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name15%Eucalyptus camaldulensisRiver Red-gumEucalyptus microcarpaGrey BoxAllocasuarina luehmanniiBuloke

Understorey:

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

I E Codo	Species typical of at least part of EVC range	Common Namo

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



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

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

15 m/0.1 ha.

Weediness:

weeumess.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Cirsium vulgare	Spear Thistle	high	high
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Leontodon taraxacoides ssp. taraxacoides	Hairy Hawkbit	high	low
MH	Arctotheca calendula	Cape Weed	high	low
MH	Anagallis arvensis	Pimpernel	high	low
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	low
MTG	Briza minor	Lesser Quaking-grass	high	low
TTG	Cyperus tenellus	Tiny Flat-sedge	high	low

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EVC 264: Sand Ridge Woodland

Description:

Open pine-box woodland to15 m tall with a small or medium shrub layer of variable density and including a range of annual herbs, grasses and geophytes, in the dense ground layer. Occupies distinctive sandy rises (or sand mounts) adjacent to major rivers and wetlands. Very sandy, deep, free draining, moderately fertile soil, developed on sand blown up by wind action from a prior stream bed.

Large trees:

Species	DBH(cm)	#/ha
Eucalyptus spp.	70 cm	15 / ha
Callitris glaucophylla	40 cm	
Allocacuarina luehmannii	40 cm	

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	Eucalyptus melliodora	Yellow Box
	Callitris glaucophylla	WhiteCypress-pine
	Allocasuarina luehmannii	Buloke

Understorey:

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

LF Code	Species typical of at least part of EVC range	Common Name
MS	Dodonaea viscosa	Sticky Hop-bush
MS	Banksia marginata	Silver Banksia
SS	Pultenaea tenuifolia	Slender Bush-pea
SS	Hibbertia riparia	Erect Guinea-flower
PS	Kennedia prostrata	Running Postman
LH	Senecio quadridentatus	Cottony Fireweed
LH	Senecio tenuiflorus	Narrow-leaf Groundsel
MH	Wahlenbergia gracilis s.l.	Sprawling Bluebell
MH	Wahlenbergia luteola	Tufted Bluebell
MH	Gonocarpus tetragynus	Common Raspwort
SH	Crassula sieberiana	Sieber Crassula
SH	<i>Millotia tenuifolia</i> var. <i>tenuifolia</i>	Soft Millotia
SH	Euchiton sphaericus	Annual Cudweed
SH	Stuartina muelleri	Spoon Cudweed
LTG	Austrostipa mollis	Supple Spear-grass
LTG	Dichelachne crinita	Long-hair Plume-grass
MTG	Poa sieberiana	Grey Tussock-grass
MTG	Elymus scaber var. scaber	Common Wheat-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
GF	Pteridium esculentum	Austral Bracken
SC	Cassytha pubescens s.s.	Downy Dodder-laurel



EVC 264: Sand Ridge Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

15 m/0.1 ha.

Weediness:

vecuilless.				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Chrysanthemoides monilifera	Boneseed	high	high
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MTG	Bromus diandrus	Great Brome	high	low
MNG	Vulpia bromoides	Rat's-tail Fescue	high	low
MNG	Vulpia muralis	Wall Fescue	high	low
MNG	Vulpia myuros f. myuros	Rat's-tail Fescue	high	low
MNG	Aira elegantissima	Delicate Hair-grass	high	low
MNG	Aira caryophyllea	Silvery Hair-grass	high	low
MNG	Ehrharta calycina	Perennial Veldt-grass	high	high

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EVC 292: Red Gum Swamp

Description:

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

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.80 cm10 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus camaldulensisRiver Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	10%	T
Medium Herb	1	15%	MH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	2	40%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		90%	

LF Code	Species typical of at least part of EVC range	Common Name
MH	Potamogeton tricarinatus s.l.	Floating Pondweed
MH	Gratiola peruviana	Austral Brooklime
SH	Lobelia pratioides	Poison Lobelia
LTG	Juncus flavidus	Gold Rush
LTG	Carex tereticaulis	Hollow Sedge
MTG	Triglochin procerum s.l.	Water Ribbons
MTG	Whalleya proluta	Rigid Panic
MTG	Lachnagrostis filiformis var. filiformis	Common Blown-grass
MNG	Eleocharis acuta	Common Spike-sedge
MNG	Eragrostis infecunda	Southern Cane-grass

Recruitment:

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

Organic Litter:

20 % cover

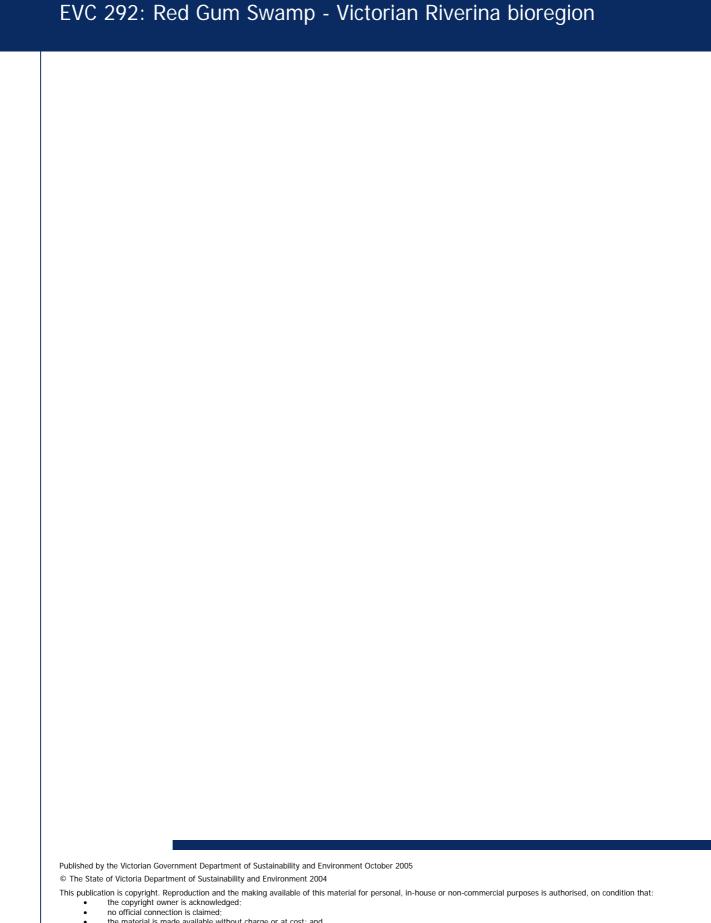
Logs:

15 m/0.1 ha.

Weediness:

LF Code Typical Weed Species Common Name Invasive Impact
SH Callitriche hamulata Thread Water-starwort high low





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EVE 233: Riverine Glassy Woo

Description:

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

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus camaldulensisRiver Red-gum

Understorey:

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

LF Code	Species typical of at least part of EVC range	Common Name

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

Recruitment:

Continuous

Organic Litter:

10 % cover

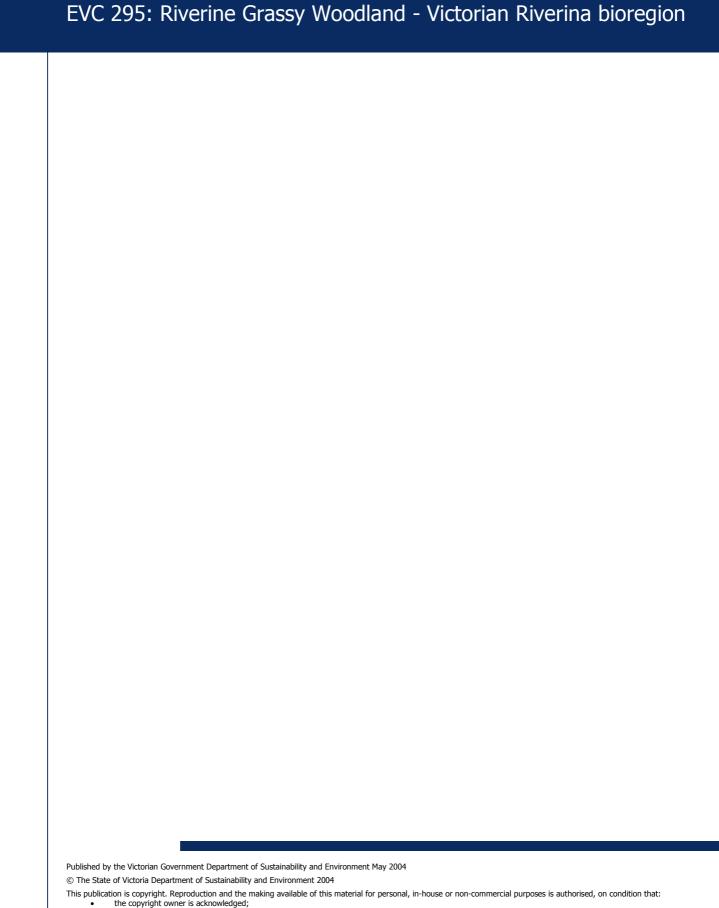
Logs:

20 m/0.1 ha.

Weediness:

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





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Occurs beside permanent streams, typically on narrow alluvial deposits. Woodland to 15 m tall generally dominated by *Eucalyptus camaldulensis* over a tussock grass-dominated understorey. Tall shrubs may be present and amphibious herbs may occur in occasional ponds and beside creeks. While flooding may be common, sites are rarely inundated for lengthy periods.

Large trees:

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

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus camaldulensisRiver Red-gum

Understorey:

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

LF Code T MS LH LH LH LH MH MH	Species typical of at least part of EVC range Acacia dealbata Exocarpos strictus Wahlenbergia gracilis s.s. Myriophyllum crispatum Senecio quadridentatus Wahlenbergia fluminalis Rumex brownii Oxalis perennans Mentha australis	Common Name Silver Wattle Pale-fruit Ballart Sprawling Bluebell Upright Water-milfoil Cotton Fireweed River Bluebell Slender Dock Grassland Wood-sorrel River Mint
MH	Acaena novae-zelandiae	Bidgee-widgee
SH	Dichondra repens	Kidney-weed
LTG LTG	Cyperus gunnii ssp. gunnii Carex appressa	Flecked Flat-sedge Tall Sedge
LTG LTG MTG MTG	Deyeuxia quadriseta Carex tereticaulis Lachnagrostis filiformis var. filiformis Juncus amabilis	Reed Bent-grass Hollow Sedge Common Blown-grass Hollow Rush
MTG MTG MNG MNG SC	Juncus amabilis Poa labillardierei Dichelachne crinita Eleocharis acuta Cynodon dactylon Calystegia sepium	Common Tussock-grass Long-hair Plume-grass Common Spike-sedge Couch Large Bindweed



EVC 641: Riparian Woodland – Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

30% cover

Logs:

20m / 0.1 ha

Weediness:

weeainess:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Rosa rubiginosa	Sweet Briar	high	high
LH	Sonchus oleraceus	Common Sow-thistle	high	low
LH	Cirsium vulgare	Spear Thistle	high	high
LH	Plantago lanceolata	Ribwort	high	low
LH	Helminthotheca echioides	Ox-tongue	high	low
LH	Rumex crispus	Curled Dock	high	low
LH	Aster subulatus	Aster-weed	high	low
LH	Rorippa palustris	Marsh Yellow-cress	high	high
MH	Leontodon taraxacoides ssp. taraxacoides	Hairy Hawkbit	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
LTG	Phalaris aquatica	Toowoomba Canary-grass	high	high
LNG	Holcus lanatus	Yorkshire Fog	high	high
MTG	Bromus hordeaceus ssp. hordeaceus	Soft Brome	high	low
MTG	Anthoxanthum odoratum	Sweet Vernal-grass	high	high
MNG	Paspalum distichum	Water Couch	high	high
SC	Galium aparine	Cleavers	high	low

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EVC 652: Lunette Woodland

Description:

An open, eucalypt woodland to 15 m tall with a grassy and herb-rich understorey. Occurs on generally fertile, relatively well-drained, clay-loam soils on source-bordering lunettes.

Large trees:

SpeciesDBH(cm)#/haEucalyptus spp.80 cm8 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name10%Eucalyptus camaldulensisRiver Red GumEucalyptus melliodoraYellow Box

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	3	10%	MS
Small Shrub	1	1%	SS
Large Herb	3	5%	LH
Medium Herb	8	15%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	2	5%	LTG
Medium to Small Tufted Graminoid	12	45%	MTG
Medium to Tiny Non-tufted Graminoid	2	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

LF Code	Species typical of at least part of EVC range	Common Name
T	Acacia implexa	Lightwood
MS	Acacia pycnantha	Golden Wattle
MS	Acacia paradoxa	Hedge Wattle
SS	Pimelea humilis	Common Rice-flower
LH	<i>Wahlenbergia</i> spp.	Bluebell
MH	Sida corrugata	Variable Sida
MH	Oxalis perennans	Grassland Wood-sorrel
MH	Acaena echinata	Sheep's Burr
MH	Convolvulus erubescens spp. agg.	Pink Bindweed
SH	Dichondra repens	Kidney-weed
LTG	Austrostipa aristiglumis	Plump Spear-grass
MTG	Lomandra multiflora ssp. multiflora	Many-flowered Mat-rush
MTG	Themeda triandra	Kangaroo Grass
MTG	Austrodanthonia setacea	Bristly Wallaby-grass
MTG	Austrodanthonia racemosa var. racemosa	Stiped Wallaby-grass
MNG	Microlaena stipoides var. stipoides	Weeping Grass



EVC 652: Lunette Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

10 m/0.1 ha.

Weediness:

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

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

Description:

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

Large trees:

Species	DBH(cm)	n) #/ha	
<i>Eucalyptus</i> spp.	70 cm	15 / ha	
Eucalyptus largiflorens	50 cm		
Allocasuarina spp.	40 cm		

Tree Canopy Cover:

%cover	Character Species	Common Name
15%	Eucalyptus microcarpa	Grey Box
	Eucalyptus melliodora	Yellow Box
	Eucalyptus camaldulensis	River Red Gum
	Eucalyptus largiflorens	Black Box
	Eucalyptus leucoxylon	Yellow Gum
	Allocasuarina luehmannii	Buloke

Understorey:

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

LF Code	Species typical of at least part of EVC range	Common Name
MS	Acacia montana	Mallee Wattle
MS	Acacia acinacea s.l.	Gold-dust Wattle
MS	Acacia pycnantha	Golden Wattle
MS	Pittosporum angustifolium	Weeping Pittosporum
SS	Pimelea curviflora s.l.	Curved Rice-flower
SS	Eutaxia microphylla var. microphylla	Common Eutaxia
SS	Enchylaena tomentosa var. tomentosa	Ruby Saltbush
SS	Sclerolaena diacantha	Grey Copperburr
LH	Ajuga australis	Austral Bugle
LH	Senecio quadridentatus	Cotton Fireweed
MH	Calocephalus citreus	Lemon Beauty-heads
MH	Maireana enchylaenoides	Wingless Bluebush
MH	Einadia hastata	Saloop
MH	<i>Einadia nutans</i> ssp. <i>nutans</i>	Nodding Saltbush
SH	Crassula sieberiana	Sieber Crassula
SH	Actinobole uliginosum	Flannel Cudweed
SH	Oxalis perennans	Grassland Wood-sorrel
SH	Calotis hispidula	Hairy Burr-daisy
LTG	Austrostipa aristiglumis	Plump Spear-grass
MTG	Austrodanthonia caespitosa	Common Wallaby-grass
MTG	Dianella revoluta s.l.	Black-anther Flax-lily
MTG	Austrostipa scabra	Rough Spear-grass
MTG	Enteropogon acicularis	Spider Grass



EVC 803: Plains Woodland (syn. Riverina Plains Grassy Woodland) -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

10 m/0.1 ha.

Weediness:

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

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Low herbland to < 0.3 m tall with occasional emergent life forms, usually with a high content of ephemeral species. Floors of ponds associated with floodway systems. Typically heavy deeply cracking clay soils. Characteristically smaller wetlands with a more regular flooding and drying cycle in comparison to sites supporting Lake Bed Herbland.

65%

Life forms:

Life form	#Spp	%Cover	LF code
Large Herb	1	1%	LH
Medium Herb	5	20%	MH
Small or Prostrate Herb*	4	15%	SH
Medium to Small Tufted Graminoid	2	10%	MTG
Medium to Tiny Non-tufted Graminoid	3	20%	MNG
* Largely seasonal life form			

Total understorey projective foliage cover

LF Code	Species typical of at least part of EVC range	Common Name
MH	Persicaria prostrata	Creeping Knotweed
MH	Centipeda cunninghamii	Common Sneezeweed
MH	Alternanthera denticulata s.l.	Lesser Joyweed
SH	Polygonum plebeium	Small Knotweed
SH	Dysphania glomulifera ssp. glomulifera	Globular Pigweed
SH	Lemna disperma	Common Duckweed
MTG	Lachnagrostis filiformis	Common Blown-grass
MNG	Pseudoraphis spinescens	Spiny Mud Grass
MNG	Carex gaudichaudiana	Fen Sedge
MNG	Eleocharis acuta	Common Spike-sedge

Recruitment:

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

Organic Litter:

5% cover

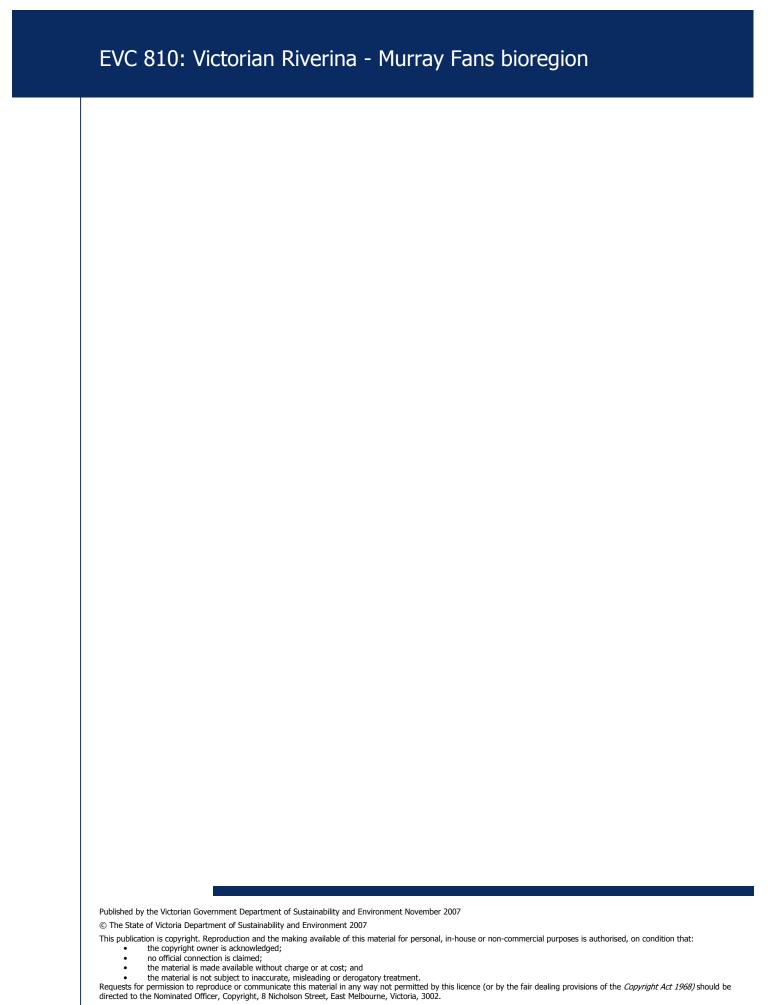
Logs:

5 m/0.1 ha.(where trees are overhanging the wetland)

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Callitriche stagnalis	Water Starwort	high	high





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Eucalypt woodland to 15 m tall with a variously shrubby and rhizomatous sedgy - turf grass understorey, at best development dominated by flood stimulated species in association with flora tolerant of inundation. Flooding is unreliable but extensive when it happens. Occupies low elevation areas on river terraces (mostly at the rear of point-bar deposits or adjacent to major floodways) and lacustrine verges (where sometimes localised to narrow transitional bands). Soils often have a shallow sand layer over heavy and frequently slightly brackish soils.

Large trees:

SpeciesDBH(cm)#/haEucalyptus camaldulensis70 cm15 / haEucalyptus largiflorens50 cm

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name20%Eucalyptus camaldulensisRiver Red-gumEucalyptus largiflorensBlack Box

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	1	5%	MS
Small Shrub	1	5%	SS
Large Herb	2	5%	LH
Medium Herb	5	10%	MH
Small or Prostrate Herb	1	5%	SH
Medium to Small Tufted Graminoid	3	30%	MTG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Total understorey projective foliage cover		70%	

LF Code Species typical of at least part of EVC range

LF Code	species typical of at least part of EVC range	Common Name
T	Acacia stenophylla	River Coobah
MS	Muehlenbeckia florulenta	Tangled Lignum
SS	Cressa cretica	Rosinweed
LH	Stemodia florulenta	Blue Rod
LH	Wahlenbergia fluminalis	River Bluebell
MH	Haloragis aspera	Rough Raspwort
MH	Centipeda cunninghamii	Common Sneezeweed
MH	Calocephalus sonderi	Pale Beauty-heads
SH	Epaltes australis	Spreading Nut-heads
MTG	Sporobolus mitchellii	Rat-tail Couch
MTG	Cyperus gymnocaulos	Spring Flat-sedge
MTG	Lachnagrostis filiformis	Common Blown-grass
MNG	Cynodon dactylon var. pulchellus	Native Couch

Recruitment:

Continuous

Organic Litter:

20 % cover

Logs:

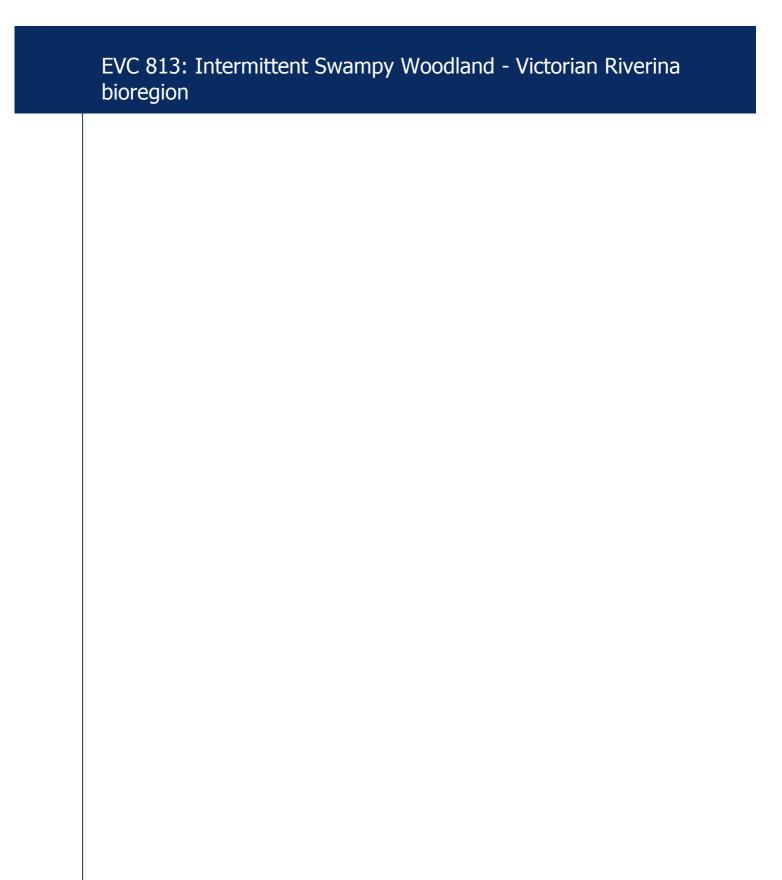
20 m/0.1 ha.

Weediness

There are no consistent weeds in this EVC.



Common Name



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EVC 814: Riverine Swamp Forest

Description:

Open eucalypt forest to 25 m tall with understorey dominated by obligate wetland species (or opportunistic annuals during sustained dry periods) and can range from closed sedgeland or herbland to grassy-herbaceous or extremely sparse and with cover primarily leaf-litter, black water or exposed alluvium. Occupies low-lying areas subject to reasonably regular flooding, typically flood-prone lower river terraces and low-lying areas adjacent to floodways through or within riverine forest.

Large trees:

 Species
 DBH(cm)
 #/ha

 Eucalyptus spp.
 90 cm
 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus camaldulensisRiver Red-gum

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	IT
Large Herb	2	5%	LH
Medium Herb	6	15%	MH
Large Non-tufted Graminoid	1	5%	LNG
Medium to Small Tufted Graminoid	1	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	30%	MNG
Total understorey projective foliage cover		65%	

LF Code	Species typical of at least part of EVC range	Common Name
LH	Wahlenbergia fluminalis	River Bluebell
LH	Senecio quadridentatus	Cotton Fireweed
MH	Alternanthera denticulata s.l.	Lesser Joyweed
MH	Ranunculus inundatus	River Buttercup
MH	Ranunculus pumilio var. pumilio	Fan-leaf Buttercup
MH	Centipeda cunninghamii	Common Sneezeweed
LNG	Phragmites australis	Common Reed
MTG	Lachnagrostis filiformis	Common Blown Grass
MNG	Eleocharis acuta	Common Spike-sedge
MNG	Cynodon dactylon var. pulchellus	Native Couch

Recruitment:

Continuous

Organic Litter:

20 % cover

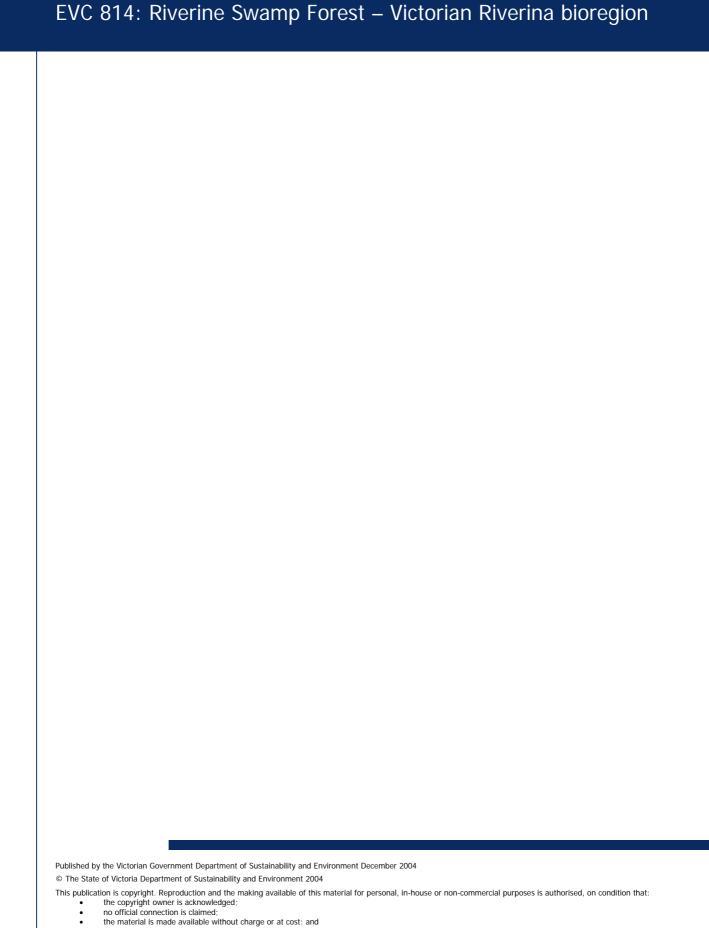
Logs:

20 m/0.1 ha.

Weediness:

LF CodeTypical Weed SpeciesCommon NameInvasiveImpactMHPhyla canescensFog-fruithighhigh





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

Large trees:

Species	DBH(cm)	#/ha	
Eucalyptus camaldulensis	70 cm	15 / ha	
Fucalyptus largiflorens	50 cm		

Tree Canopy Cover:

%cover	Character Species	Common Name
20%	Eucalyptus camaldulensis	River Red-gum
	Eucalyptus largiflorens	Black Box

Understorey:

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

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

Recruitment:

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

Organic Litter:

10% cover

Logs:

10 m/0.1 ha.

Weediness:

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



EVC 815: Riverine Swampy Woodland - Victorian Riverina bioregion

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Riverine Sedgy Forest occurs on the floodplain of major rivers in areas of frequent flooding. The overstorey is a tall forest of River Red Gum to 25 m tall. The groundlayer is dominated by flood-related grass and sedge species. Depending on time of year and flooding level, associated water plants may be present.

Large trees:

Species DBH(cm) #/ha
Eucalyptus spp. 90 cm 20 / ha

Tree Canopy Cover:

%coverCharacter SpeciesCommon Name30%Eucalyptus camaldulensisRiver Red-gum

Understorey:

Jiluei Storey.			
Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Large Herb	2	5%	LH
Medium Herb	7	15%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	2	10%	LTG
Medium to Small Tufted Graminoid	4	5%	MTG
Medium to Tiny Non-tufted Graminoid	3	20%	MNG
Bryophytes/Lichens	na	10%	BL
Total understorey projective foliage cover		80%	

LF Code LH MH MH MH SH SH SH SH LTG LTG MTG MTG MTG MTG MTG MTG MTG MTG MTG M	Species typical of at least part of EVC range Epilobium billardierianum ssp. cinereum Myriophyllum crispatum Goodenia gracilis Lythrum hyssopifolia Marsilea drummondii Azolla filiculoides Ludwigia peploides ssp. montevidensis Lobelia concolor Elatine gratioloides Amphibromus nervosus Juncus aridicola Triglochin procerum s.l. Carex inversa Setaria jubiflora Austrodanthonia duttoniana Eleocharis pusilla Eleocharis acuta	Common Name Grey Willow-herb Upright Water-milfoil Slender Goodenia Small Loosestrife Common Nardoo Pacific Azolla Clove-strip Poison Pratia Waterwort Common Swamp Wallaby-grass Tussock Rush Water Ribbons Knob Sedge Warrego Summer-grass Brown-back Wallaby-grass Small Spike-sedge Common Spike-sedge
	•	, ,



EVC 816: Sedgy Riverine Forest - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

10 % cover

Logs:

20 m/0.1 ha.

Weediness:

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

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EVC 819: Spike-sedge Wetland

Description:

Low sedgy vegetation of species-poor seasonal or intermittent wetlands, dominated by spike-sedges. Typically treeless, but sometimes with thickets of saplings or scattered more mature specimens of *Eucalyptus camaldulensis*. Mostly confined to a narrow ring around the upper margins of floodway ponds. Soils are typically heavy clays (e.g. mottled yellow-grey clay, grey loamy clay), occasionally silty near the surface. In some riverine sites, annual inundation is not reliable and the rhizomic rootstocks of *Eleocharis acuta* appear capable of surviving at least occasional periods of longer dormancy.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Herb	2	5%	MH
Small or Prostrate Herb	2	5%	SH
Medium to Small Tufted Graminoid	2	5%	MTG
Medium to Tiny Non-tufted Graminoid	2	60%	MNG
Total understorey projective foliage cover		75%	

LF Code	Species typical of at least part of EVC range	Common Name
MH	Lythrum hyssopifolia	Small Loosestrife
SH	Crassula helmsii	Swamp Crassula
MTG	Triglochin procerum s.l.	Water-ribbons
MTG	Lachnagrostis filiformis	Common Blown Grass
MNG	Eleocharis acuta	Common Spike-sedge

Recruitment:

Episodic/Flood – desirable period is every five years

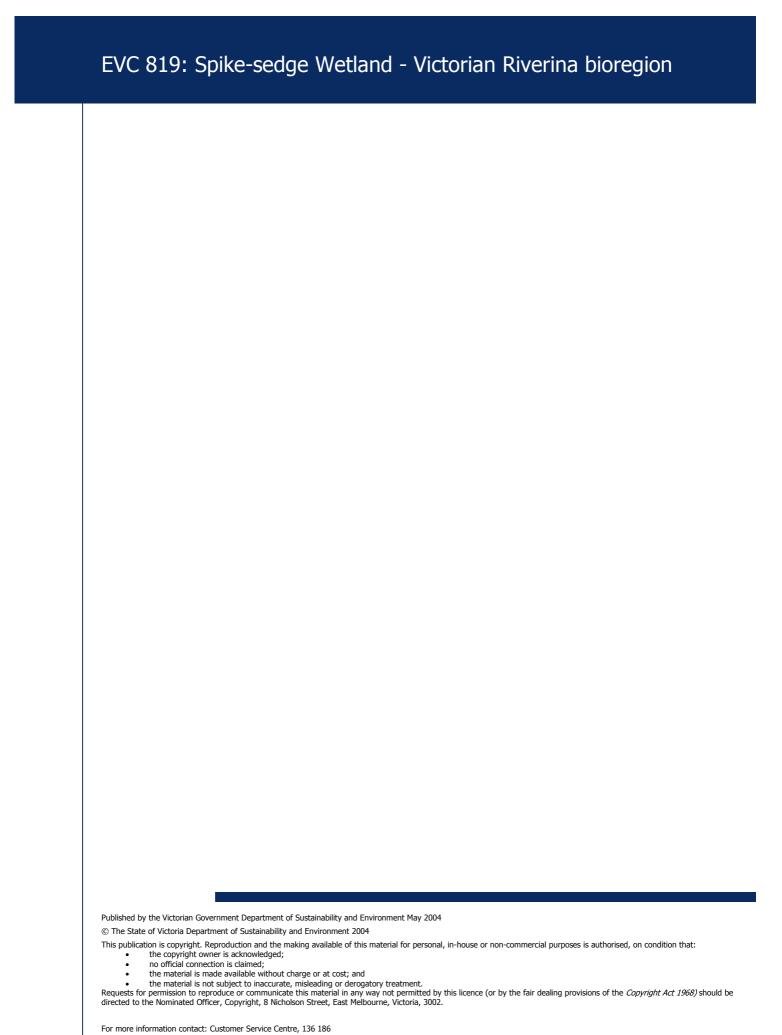
Organic Litter:

20% Cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Aster subulatus	Aster-weed	high	low
MNG	Paspalum distichum	Water Couch	hiah	hiah





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Wetland dominated by tall emergent graminoids (rushes, sedges, reeds), typically in thick species-poor swards. Competitive exclusion in core wetland habitat - of optimum growing conditions for species tolerant of sustained shallow inundation. Occupies wetlands usually associated with anabranch creeks. Soils are almost permanently moist. Dominant species are tolerant of relatively deep and sustained inundation, but not total immersion for any sustained period.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Herb	6	20%	MH
Small or Prostrate Herb	3	10%	SH
Large Tufted Graminoid	1	10%	LTG
Large Non-tufted Graminoid	3	40%	LNG
Medium to Tiny Non-tufted Graminoid	2	10%	MNG
Total understorey projective foliage cover		90%	

LF Code MH	Species typical of at least part of EVC range Myriophyllum papillosum	Common Name Robust Water-milfoil
MH	Persicaria decipiens	Slender Knotweed
MH	Lythrum hyssopifolia	Small Loose-strife
MH	Potamogeton tricarinatus s.l.	Floating Pondweed
SH	Lemna disperma	Common Duckweed
SH	Azolla filiculoides	Pacific Azolla
LTG	Juncus ingens	Giant Rush
LNG	Schoenoplectus tabernaemontani	River Club-sedge
LNG	Phragmites australis	Common Reed
LNG	Typha orientalis	Broad-leaf Cumbungi
LNG	Typha domingensis	Cumbungi
MTG	Triglochin procerum s.l.	Water Ribbons
MNG	Eleocharis acuta	Common Spike-sedge
MNG	Pseudoraphis spinescens	Spiny Mud-grass

Recruitment:

Episodic/Flood: desirable period of disturbance is every year

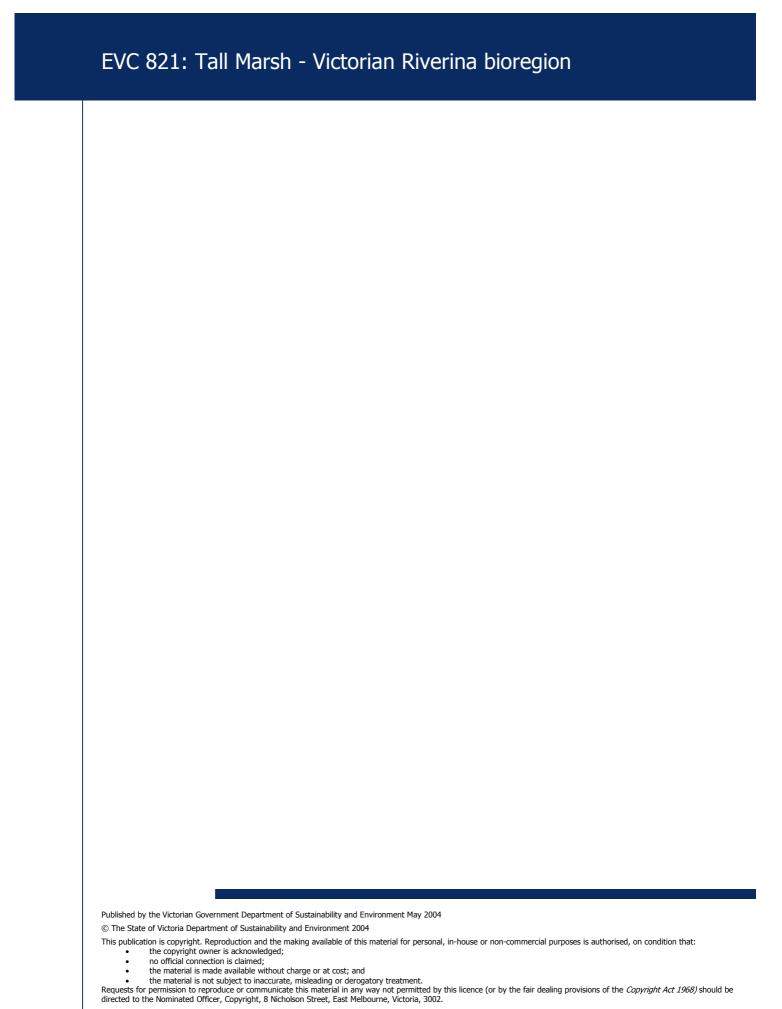
Organic Litter:

10% cover

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
T	Salix cinerea	Grey Sallow	high	high
MH	Rorippa palustris	Yellow Marsh-cress	high	high
MTG	Polyopogon monspeliensis	Annual Beard-grass	high	low
MNG	Paspalum distichum	Water Couch	high	high





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

Large trees:

SpeciesDBH(cm)#/haEucalyptus largiflorens50 cm15/haEucalyptus camaldulensis70 cm

Tree Canopy Cover:

% coverCharacter SpeciesCommon Name20%Eucalyptus largiflorensBlack Box
River Red Gum

Understorey:

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

* Largely seasonal life form

Total understorey projective foliage cover

T MS MS MS SS SS LH MH MTG	Species typical of at least part of EVC range Acacia stenophylla Muehlenbeckia florulenta Chenopodium nitrariaceum Muehlenbeckia florulenta Atriplex lindleyi Sclerolaena muricata Rumex spp. Marsilea drummondii Brachyscome ciliaris Euchiton sphaericus Ranunculus spp. Eragrostis australasica Setaria jubiflora Austrodanthonia duttoniana Sporobolus mitchellii Eragrostis setifolia Eragrostis infecunda Eleocharia acutta	River Coobah Tangled Lignum Nitre Goosefoot Tangled Lignum Flat-top Saltbush Five-spined Bassia Dock Common Nardoo Variable Daisy Annual Cudweed Buttercup Cane Grass Warrego Summer-grass Brown-back Wallaby-grass Short Rat-tail Grass Bristly Love-grass Common Spike-sedge
	5	5

80%



EVC 823: Lignum Swampy Woodland - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

5% cover

Logs:

10m/0.1 ha.

Weediness:

LF Code Typical Weed Species Common Name Invasive Impact Phyla canescens Lippia high high

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EVC 826: Plains Savannah

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

Large trees⁺:

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

Tree Canopy Cover+:

% cover	Character Species	Common Name
10%	Allocasuarina luehmannii	Buloke
	Callitris gracilis ssp. murravensis	Slender Cypress-pine

Understorey:

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

^{*} Largely seasonal life form

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



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

EVC 826: Plains Savannah - Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

5% cover

Logs+:

5 m/0.1 ha.

Weediness:

ı			
Typical Weed Species	Common Name	Invasive	Impact
Lycium ferocissimum	Boxthorn	high	high
Helminthotheca echioides	Ox-tongue	high	low
Lepidium africanum	Common Peppercress	high	low
Salvia verbenaca	Wild Sage	high	high
Echium plantagineum	Patterson's curse	high	high
Sisymbrium irio	London Rocket	high	high
Marrubium vulgare	Horehound	high	high
Avena fatua	Wild Oat	high	high
Limonium sinuatum	Notch-leaf Sea-lavender	high	high
Arctotheca calendula	Cape Weed	high	high
Hypochoeris glabra	Smooth Cat's-ear	high	low
Hypochoeris radicata	Cat's Ear	high	low
Oxalis pes-caprae	Soursob	high	high
Plantago coronopus	Buck's-horn Plantain	high	high
Spergularia rubra s.l.	Red Sand-spurrey	high	low
Trifolium angustifolium var. angustifolium	Narrow-leaf Clover	high	high
Trifolium arvense var. arvense	Hare's-foot Clover	high	high
Trifolium campestre var. campestre	Hop Clover	high	high
Trifolium striatum	Knotted Clover	high	low
Trifolium subterraneum	Subterranean Clover	high	low
Hedypnois cretica	Cretan Hedypnois	high	high
Aira cupaniana	Quicksilver Grass	high	low
Avena barbata	Bearded Oat	high	high
Brachypodium distachyon	False Brome	high	high
Juncus capitatus	Capitate Rush	high	high
Vulpia muralis	Wall Fescue	high	high
Vulpia myuros	Rat's-tail Fescue	high	high
Bromus diandrus	Great Brome	high	high
Critesion hystrix	Mediterranean Barley-grass	high	high
Critesion murinum	Barley-grass	high	high
Lolium rigidum	Wimmera Rye-grass	high	high
Pentaschistis airoides ssp. airoides	False Hair-grass	high	low
Poa bulbosa	Bulbous Meadow-grass	high	high
Romulea minutiflora	Small-flower Onion-grass	high	high
Romulea rosea	Onion Grass	high	high
Vulpia bromoides	Squirrel-tail Fescue	high	high
Medicago minima	Little Medic	high	high
Medicago polymorpha	Burr Medic	high	high
Trifolium glomeratum	Cluster Clover	high	low
	Typical Weed Species Lycium ferocissimum Helminthotheca echioides Lepidium africanum Salvia verbenaca Echium plantagineum Sisymbrium irio Marrubium vulgare Avena fatua Limonium sinuatum Arctotheca calendula Hypochoeris glabra Hypochoeris radicata Oxalis pes-caprae Plantago coronopus Spergularia rubra s.l. Trifolium aryense var. arvense Trifolium arwense var. arvense Trifolium striatum Trifolium subterraneum Hedypnois cretica Aira cupaniana Avena barbata Brachypodium distachyon Juncus capitatus Vulpia muralis Vulpia myuros Bromus diandrus Critesion hystrix Critesion murinum Lolium rigidum Pentaschistis airoides ssp. airoides Poa bulbosa Romulea minutiflora Romulea rosea Vulpia bromoides Medicago polymorpha	Typical Weed SpeciesCommon NameLycium ferocissimumBoxthornHelminthotheca echioidesOx-tongueLepidium africanumCommon PeppercressSalvia verbenacaWild SageEchium plantagineumPatterson's curseSisymbrium irioLondon RocketMarrubium vulgareHorehoundAvena fatuaWild OatLimonium sinuatumNotch-leaf Sea-lavenderArctotheca calendulaCape WeedHypochoeris glabraSmooth Cat's-earHypochoeris radicataCat's EarOxalis pes-capraeSoursobPlantago coronopusBuck's-horn PlantainSpergularia rubra s.l.Red Sand-spurreyTrifolium angustifolium var. angustifoliumNarrow-leaf CloverTrifolium angustifolium var. ampestreHare's-foot CloverTrifolium subterraneumHop CloverHedypnois creticaCretan HedypnoisAira cupanianaQuicksilver GrassAvena barbataBearded OatBrachypodium distachyonFalse BromeJuncus capitatusCapitate RushVulpia myurosRat's-tail FescueBromus diandrusGreat BromeCritesion hystrixMediterranean Barley-grassCritesion murinumBarley-grassLolium rigidumWall FescuePentaschistis airoides ssp. airoidesSmall-flower Onion-grassPoa bulbosaSmulbous Meadow-grassRomulea roseaOnion GrassVulpia bromoidesSquirrel-tail FescueWedicago polymorphaBurr Medic	Typical Weed Species Common Name Invasive Lycium ferocissimum Boxthorn high Lepidium africanum Common Peppercress high Salvia verbenaca Wild Sage high EChium plantagineum Patterson's curse high Sisymbrium irio London Rocket high Marrubium vulgare Horehound high Avena fatua Wild Oat high Limonium sinuatum Notch-leaf Sea-lavender high Arctotheca calendula Cape Weed high Arctotheca calendula Cape Weed high Arypochoeris radicata Cat's Ear high Oxalis pes-caprae Soursob high Plantago coronopus Buck's-horn Plantain high Spergularia rubra s.l. Red Sand-spurrey high Trifolium anyense var. arvense Buck's-horn Plantain high Trifolium anyense var. arvense Hare's-foot Clover high Trifolium artina subternaeum Hare's-foot Clover high Trifolium subternaeum

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

Large Trees:

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

Tree Canopy Cover:

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

Understorey:

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

^{*}Largely seasonal lifeform



EVC 826_61: Treed Plains Savannah

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

Recruitment:

Continuous.

Organic Litter:

5 % cover

Logs:

5 m/0.1ha.

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MS	Lycium ferocissimum	African Box-thorn	high	high
SH	Medicago polymorpha	Burr Medic	high	high
MTG	Poa bulbosa	Bulbous Meadow-grass	high	high
MTG	Romulea minutiflora	Small-flower Onion-grass	high	high
MH	Trifolium angustifolium var. angustifolium	Narrow-leaf Clover	high	high
MH	Plantago coronopus	Buck's-horn Plantain	high	high
MH	Limonium sinuatum	Notch-leaf Sea-lavender	high	high
MH	Arctotheca calendula	Cape Weed	high	high
LNG	Avena fatua	Wild Oat	high	high
MNG	Juncus capitatus	Capitate Rush	high	high
MNG	Vulpia muralis	Wall Fescue	high	high
MNG	Vulpia myuros	Rat's-tail Fescue	high	high
MTG	Bromus diandrus	Great Brome	high	high
MTG	Hordeum hystrix	Mediterranean Barley-grass	high	high
MTG	Hordeum murinum s.l.	Barley-grass	high	high
MTG	Lolium rigidum	Wimmera Rye-grass	high	high
LH	Marrubium vulgare	Horehound	high	high
MH	Oxalis pes-caprae	Soursob	high	high
MH	Trifolium arvense var. arvense	Hare's-foot Clover	high	high



EVC 826_61: Treed Plains Savannah

Weediness:

LF Code	Typical Weed Species	Common Name	Invasive	Impact
MH	Trifolium campestre var. campestre	Hop Clover	high	high
MH	Hedypnois cretica	Cretan Hedypnois	high	high
MNG	Avena barbata	Bearded Oat	high	high
MNG	Brachypodium distachyon	False Brome	high	high
MTG	Romulea rosea	Onion Grass	high	high
MTG	Vulpia bromoides	Squirrel-tail Fescue	high	high
LH	Echium plantagineum	Paterson's Curse	high	high
LH	Sisymbrium irio	London Rocket	high	high
SH	Trifolium glomeratum	Cluster Clover	high	low
LH	Lepidium africanum	Common Peppercress	high	low
MH	Hypochoeris glabra	Smooth Cat's-ear	high	low
MH	Spergularia rubra s.l.	Red Sand-spurrey	high	low
MH	Hypochoeris radicata	Cat's Ear	high	low
MH	Trifolium striatum	Knotted Clover	high	low
MH	Trifolium subterraneum	Subterranean Clover	high	low
MNG	Aira cupaniana	Quicksilver Grass	high	low
MTG	Pentaschistis airoides subsp. airoides	False Hair-grass	high	low
LH	Helminthotheca echioides	Ox-tongue	high	low
SH	Medicago minima	Little Medic	high	high
LH	Salvia verbenaca	Wild Sage	high	high

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EVC 829: Chenopod Grassland

Description:

Open to sparse shrubland with a more or less continuous tussock grass sward found on heavy somewhat sodic clay plains fringing the active floodplains of major watercourses such as the Loddon and Avoca Rivers.

Life Forms:

Life form	#Spp	%Cover	LF code
Medium Shrub	2	20%	MS
Small Shrub	6	30%	SS
Prostrate Shrub	2	1%	PS
Large Herb	2	5%	LH
Medium Herbs*	4	10%	MH
Small or Prostrate Herbs*	4	5%	SH
Medium to Small Tufted Graminoid	3	20%	MTG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	20%	S/C

^{*} Largely seasonal life form

LF Code	Species typical of at least part of EVC range	Common Name
MS	Lycium australe	Australian Box-thorn
MS	Nitraria billardierei	Nitre-bush
SS	Maireana aphylla	Leafless Bluebush
SS	Sclerolaena diacantha	Grey Copperburr
SS	Minuria cunninghamii	Bush Minuria
SS	Rhagodia spinescens	Hedge Saltbush
PS	Sclerochlamys brachyptera	Short-wing Saltbush
PS	Atriplex semibaccata	Berry Saltbush
LH	Podolepis canescens	Grey Podolepis
LH	Leiocarpa panaetioides	Woolly Buttons
MH	Rhodanthe stuartiana	Clay Sunray
MH	Teucrium racemosum s.s.	Grey Germander
MH	Maireana excavata	Bottle Bluebush
MH	Sida corrugata	Variable Sida
SH	Hyalosperma glutinosum ssp. glutinosum	Golden Sunray
SH	Hyalosperma semisterile	Orange Sunray
SH	Rhodanthe pygmaea	Pygmy Sunray
SH	Pogonolepis muelleriana	Stiff Cup-flower
LTG	Austrostipa aristiglumis	Plump Spear-grass
MTG	Austrostipa spp.	Spear-grass
MTG	Whalleya proluta	Rigid Panic
MTG	Enteropogon acicularis	Spider Grass

Recruitment:

MTG

Continuous

Organic Litter:

5% cover



Bristly Wallaby-grass

Austrodanthonia setacea

EVC 829: Chenopod Grassland - Victorian Riverina bioregion

Weediness:				
LF Code	Typical Weed Species	Common Name	Invasive	Impact
LH	Carthamus lanatus	Saffron Thistle	high	high
MH	Limonium lobatum	Winged Sea-lavender	high	high
MH	Hedypnois cretica	Cretan Hedypnois	high	high
MH	Arctotheca calendula	Cape Weed	high	high
MH	Romulea rosea	Onion Grass	high	high
SH	Moraea setifolia	Thread Iris	high	high
SH	<i>Medicago</i> spp.	Medic	high	high
MTG	Critesion murinum subsp. leporinum	Wall Barley-grass	high	high
MNG	Bromus madritensis	Madrid Brome	high	high
MNG	Lolium rigidum	Wimmera Rye-grass	high	high

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EVC 882: Shallow Sands Woodland (syn. Pine Box Woodland)

Description:

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

Large trees:

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

Tree Canopy Cover:

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

Understorey:

Life form	#Spp	%Cover	LF code
Immature Canopy Tree		5%	ΙΤ
Understorey Tree or Large Shrub	1	5%	T
Medium Shrub	4	15%	MS
Small Shrub	3	10%	SS
Prostrate Shrub	1	5%	PS
Medium Herb	10	20%	MH
Small or Prostrate Herb	2	5%	SH
Large Tufted Graminoid	1	1%	LTG
Medium to Small Tufted Graminoid	13	30%	MTG
Medium to Tiny Non-tufted Graminoid	3	5%	MNG
Bryophytes/Lichens	na	10%	BL
Soil Crust	na	10%	S/C

MTG Schoenus apogon Common Bog-sedge MTG Lomandra multiflora ssp. multiflora Many-flowered Mat-	MTG	Lomandra multiflora ssp. multiflora	Common Name Cherry Ballart Mallee Wattle Golden Wattle Varnish Wattle Sweet Bursaria Curved Rice-flower Common Eutaxia Ruby Saltbush Cranberry Heath Yellowish Bluebell Sheep's Burr Australian Carrot Scented Sundew Long-hair Plume-grass Kneed Wallaby-grass Bristly Wallaby-grass Common Bog-sedge Many-flowered Mat-ru
	MTG	Lomandra multiflora ssp. multiflora	Many-flowered Mat-ru
	TTG	Centrolepis strigosa ssp. strigosa	Hairy Centrolepis



EVC 882: Shallow Sands Woodland (syn. Pine Box Woodland) -Victorian Riverina bioregion

Recruitment:

Continuous

Organic Litter:

20 % cover

15 m/0.1 ha.

Weediness:

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

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EVC 888: Plains Saltmarsh

Description:

Typically species-poor samphire dominated low shrubland to 0.5 m tall, or locally variously herbland or grassland. Occurs in seasonally or intermittently waterlogged shallow depressions on salinised heavy grey clay soils.

Life Forms:

Life form	#Spp	%Cover	LF code
Small Shrub	1	10%	SS
Prostrate Shrub	1	5%	PS
Medium Herb	3	15%	MH
Small or Prostrate Herb	2	10%	SH
Medium to Small Tufted Graminoid	1	5%	MTG
Medium to Tiny Non-tufted Graminoid	1	10%	MNG
Soil Crust	na	10%	S/C
Total understorey projective foliage cover		60%	

LF Code	Species typical of at least part of EVC range	
SS	Halosarcia pergranulata	
SS	Halosarcia syncarpa	
PS	Wilsonia rotundifolia	

МН Sarcocornia quinqueflora MH Samolus repens МН Spergularia sp. 3 SH Selliera radicans SH Angianthus preissianus Apium prostratum ssp. prostratum SH MTG Puccinellia stricta var. perlaxa

MNG Distichlis distichophylla

Recruitment:

Continuous

Organic Litter:

10% cover

Weediness:

There are no consistent weeds in this EVC.

Common Name

Blackseed Glasswort **Fused Glasswort** Round-leaf Wilsonia **Beaded Glasswort** Creeping Brookweed Salt Sea-spurrey Shiny Swamp-mat Salt Angianthus **Annual Celery** Plains Saltmarsh-grass Australian Salt-grass



