Department of Sustainability and Environment

Lower Ovens Local Native Plant Lists

Including Wangaratta, Boorhaman, Peechelba, Brimin

About this brochure

This brochure provides lists of plant species that are locally native (indigenous) to the **Lower Ovens** area (see back page for map). These species are grouped into lists for different profiles of the landscape/topography, representing the different vegetation types (Ecological Vegetation Classes, EVCs) that occur there. The species in **bold** are those which are more common, and underlined species are those that are more likely to be available from nurseries that sell indigenous plants. The lists are cross-referenced with **EVC benchmarks** (see references).

Why restore and revegetate?

These activities provide for: shelter for stock, pasture or crops; creating/ enhancing the habitat for native species; improving water quality; land protection; farm forestry (including firewood, sawlogs); meeting legislative requirements (eg. offsets), and aesthetics.

What do *you* want to achieve?

The purpose of your works helps dictate the following; *where*, eg. extend existing native vegetation, link between patches, corner of paddock, along drainage line, in gully etc; *how*, eg. planting, direct seeding or natural regeneration; the *on going management* required; *what species* you revegetate with; the *density* (how many plants); and the *arrangement*, eg. rows versus random, shrubs around existing trees.

Make the most of your efforts!

The long term survival, effective regeneration and other benefits can easily be optimised, whatever the purpose of your efforts. Expanding the range of plant types to include shrubs, grasses and wildflowers helps keep your native trees healthy and provides the building materials, furniture and food needed by local native animals. These improve the chance of restoring plant-animal interactions such as pollination and insect control, assisting your restoration site and surrounding areas to be self-sustaining.

How do I go about it?

Preparing the ground, undertaking pest and weed control, selection of plants, spacing and arrangement of plants, method of planting, watering in, mulching, guarding, fencing and monitoring are all factors which will vary according to your site and purpose. The book *Revegetation Techniques A guide to establishing native vegetation in Victoria* (2003) Greening Australia is available from the website: www.greeningaustralia.com.au

Order in advance

To maximise your range of species, order at least 12 months in advance. Nurseries can grow many species if they know you want them. They can also ensure that the seed is local to your site (plants genetically adapted to your conditions survive the best). So plan and order. If you collect your own seed, this can be given to nurseries to grow. Then you can be sure of how local your local plants are! A list of nurseries supplying indigenous plants in the NE Region can be found in *Revegetation Resources Directory,* DSE (2005) on the NECMA website: www.necma.vic.gov.au

Choosing the best list for a site

Selecting the appopriate list will ensure that the species are suited to the conditions. Consider: *where* you are in the landscape/ topography (eg. floodplain, flats, rises); the soil type and remnant vegetation near by. Based on this and current site conditions, select the best suited profile/s, using species descriptions as a guide.

More Information

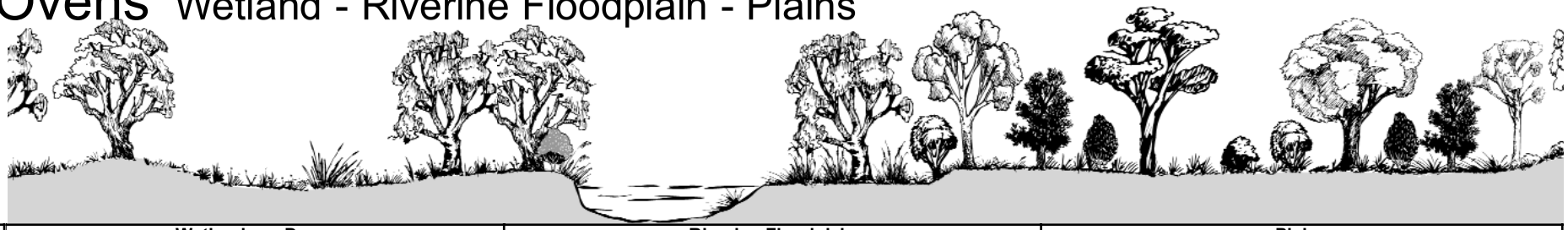
The following references are available on the DPI & DSE websites (www.dpi.vic.gov.au; www.dse.vic.gov.au) and at their offices **Wodonga** McKoy St (02) 60437900 **Wangaratta** Cnr Ovens and Ford St (03) 57238600

General: DSE (2006) *Native Vegetation Revegetation planting standards - Guidelines for establishing native vegetation for net gain accounting*, DSE, East Melbourne.
Perry, D and Butler, M. (2004) *Tree planting and aftercare*, LC0104, DPI, Melbourne.
Biodiversity: Platt, S. (2002) *How to Plan Wildlife Landscapes*, DNRE, Melbourne.
Riparian Revegetation: Price, P. & Lovett, S. (2002) 'Managing riparian land', 1, Land & Water Australia Canberra.
Farm Forestry: Hajek, C. (2002) *Farm forestry / agroforestry: What is it?*, AG0790, DPI, Horsham.
Shelter Belts: Johnson H. and Brandle, James (2003) *Shelterbelt design,* LC 0136, DPI, Stawell.
Salinity: DPI (2005) *Frequently Asked Question About Salinity Tree Planting Incentive Projects* NESSI
EVC Descriptions and Benchmarks: www.dse.vic.goc.au under 'Conservation and Environment' go to 'Native Vegetation Information for Victoria'.
DNRE (2002), *Managing Your Patch of Bush*, Wodonga.
Species Descriptions: www.csu.edu.au/herbarium/riverina

Victorian Government initiative

Victoria The Place To Be

Lower Ovens Wetland - Riverine Floodplain - Plains



Landform	Wetlands or Dams		Riverine Floodplain		Plains	
Landform Description	Billabongs with standing water; soaks; depressions, and isolated swamps of varying depths of water and permanence		Active riverine floodplain of lower reaches of large rivers with an elevated terrace grading down into a back plain		Plains, alluvial fan and elevated plains and alluvial terraces not actively flooding - dominated by River Red Gum	
Geology & Soils	Heavy clays		Alluvial sediments: well drained stony and gravelly soils grading to sandy clay loams and poorly drained silts/ clays		Alluvial sediments - brown-red soils; black uniform loams; poorly drained grey clay soils	
EVC	Refer to relevant EVC benchmark (see reference list)		**Riverine Grassy Woodland / Sedgy Riverine Forest Complex, Riverine Swampy Woodland & Floodplain Riparian Woodland**		**Plains Grassy Woodland**	
Location Example	Black Swamp, Boorhaman East Rd		Along the Ovens and Murray Rivers		Wangaratta Common; cnr of Boorhaman Rd & Cemetery Ln	
Legend	**Trees > 5m**		**Trees > 5m**		**Trees > 5m**	
Underline text =	*Eucalyptus camaldulensis*	River Red-gum	***Acacia dealbata*** (UT)	**Silver Wattle**	*Acacia dealbata* (UT)	Silver Wattle
likely to be available	**Edge of Wetland - in soil that dries out**		***Eucalyptus camaldulensis***	**River Red-gum**	*Eucalyptus albens*	White Box
from nurseries	*Alternanthera denticulata* (MH)	Lesser Joyweed	***Eucalyptus microcarpa***	**Grey Box**	[1]*Eucalyptus bridgesiana*	[1]But But / Apple Box
Bold text = more	*Amphibromus nervosus* (L)	Common Swamp Wallaby-grass	**Shrubs**		***Eucalyptus camaldulensis***	**River Red-gum**
common in EVC			***Callistemon sieberi*** (MS)	**River Bottlebrush**	[2]***Eucalyptus melliodora***	[2]**Yellow Box**
	Brachyscome basaltica (LH)	Woodland Swamp-daisy	*Cassinia arcuata* [3](MS)	Drooping Cassinia [3]	*Eucalyptus microcarpa*	Grey Box
Trees	*Carex tereticaulis* (L)	Poong'ort	*Dillwynia cinerascens* [2](SS)	Grey Parrot-pea [2]	**Shrubs**	
Woody plants (include	*Centipeda cunninghamii* (MH)	Common Sneezeweed	***Melaleuca parvistaminea*** (MS)	**Rough-barked Honey-myrtle**	*Acacia acinacea* (MS)	Gold-dust Wattle
large shrubs) > 5m	*Craspedia variabilis* (MH)	Variable Billy-buttons	**Groundcovers**		***Acacia paradoxa*** (MS)	**Hedge Wattle**
(UT) Understorey	*Eulalia aurea* (M)	Silky Browntop	*Alternanthera denticulata* (MH)	Lesser Joyweed	***Acacia pycnantha*** (MS)	**Golden Wattle**
Trees = trees or large	*Isachne globosa* (M)	Swamp Millet	***Amphibromus nervosus*** (L)	**Common Swamp Wallaby-grass**	***Bursaria spinosa*** (MS)	**Sweet Bursaria**
shrubs > 5m that	*Juncus amabilis* (M)	Hollow Rush			*Dillwynia cinerascens* (SS)	Grey Parrot-pea
do not form part of	*Juncus flavidus* (L)	Gold Rush	***Austrodanthonia duttoniana*** (M)	**Brown-back Wallaby-grass**	*Pimelea curviflora* (SS)	Curved Rice-flower
the canopy	*Juncus gregiflorus* (L)	Green Rush	***Carex appressa*** (L)	**Tall Sedge**	**Groundcovers**	
Shrubs	*Juncus sarophorus* (L)	Broom Rush	***Carex tereticaulis*** (L)	**Poong'ort**	*Arthropodium* sp. 3 (aff. strictum) (LH)	Small Chocolate-lily
(MS) Medium 1-5m	*Ludwigia peploides* (SH)	Clove-strip	***Centipeda cunninghamii*** (MH)	**Common Sneezeweed**	*Austrodanthonia racemosa* (M)	Stiped Wallaby-grass
(SS) Small 20cm-1m	*Persicaria hydropiper* (LH)	Water Pepper	*Cyperus exaltatus* (L)	Tall Flat-sedge	***Austrodanthonia caespitosa*** (M)	**Common Wallaby-grass**
(PS) Prostrate <50cm	*Pycnosorus globosus* (LH)	Drumsticks	*Cyperus gunnii* subsp. *gunnii* (L)	Flecked Flat-sedge		
Groundcovers	*Senecio runcinifolius* (LH)	Tall Fireweed	***Eleocharis sphacelata*** (L)	**Tall Spike-sedge**	***Austrodanthonia setacea*** (M)	**Bristly Wallaby-grass**
(L) Large grass-like	*Swainsona procumbens* (MH)	Broughton Pea	*Eulalia aurea* (M)	Silky Browntop	*Austrostipa scabra* (M)	Rough Spear-grass
plant >1m	**Emergent - roots in soil, leaves project above water**		*Fimbristylis aestivalis* (M)	Summer Fringe-sedge	***Bulbine bulbosa*** (MH)	**Bulbine Lily**
(M) Medium grass-like	*Alisma plantago-aquatica* (MH)	Water Plantain	*Isachne globosa* (M)	Swamp Millet	*Calocephalus citreus* (LH)	Lemon Beauty-heads
plant 10cm-1m	*Centella cordifolia* (MH)	Centella	*Juncus amabilis* (M)	Hollow Rush	***Chrysocephalum apiculatum*** (LH)	**Common Everlasting**
(T) Tiny grass-like	*Damasonium minus* (MH)	Star Fruit	*Juncus ingens* (L)	Giant Rush	***Dianella revoluta*** (M)	**Black-anther Flax-lily**
plant <10cm	*Eleocharis acuta* (M)	Common Spike-sedge	*Ludwigia peploides* (SH)	Clove-strip	*Elymus scaber* (M)	Common Wheat-grass
(LH) Large herb>50cm	*Eleocharis atricha* (M)	Tuber Spike-sedge	***Mentha australis*** (MH)	**River Mint**	*Eryngium ovinum* (LH)	Blue Devil
(MH) Medium herb 5-20cm	*Eleocharis sphacelata* (L)	Tall Spike-sedge	*Microlaena stipoides* (M)	Weeping Grass	***Linum marginale*** (LH)	**Native Flax**
	Juncus ingens (L)	Giant Rush	***Myriophyllum crispatum*** (LH)	**Upright Water-milfoil**	*Lomandra filiformis* (M)	Wattle Mat-rush
(SH) Small or prostrate	*Pseudoraphis spinescens* (M)	Spiny Mud-grass	***Persicaria decipiens*** (LH)	**Slender Knotweed**	*Microseris scapigera* spp. agg. (MH)	Yam Daisy
herb < 5cm	*Triglochin procera* (L)	Common Water-ribbons	***Persicaria hydropiper*** (LH)	**Water Pepper**	*Poa sieberiana* (M)	Grey Tussock-grass
(GF) Ground Fern	*Typha orientalis* (LH)	Broad-leaf Cumbungi	***Phragmites australis*** (L)	**Common Reed**	***Schoenus apogon*** (M)	**Common Bog-sedge**
	Floating		***Poa labillardierei*** (M)	**Common Tussock-grass**	***Swainsona procumbens*** (MH)	**Broughton Pea**
	Marsilea drummondii (MH)	Common Nardoo	*Pseudoraphis spinescens* (M)	Spiny Mud-grass	***Themeda triandra*** (L)	**Kangaroo Grass**
	Myriophyllum crispatum (LH)	Upright Water-milfoil	*Typha orientalis* (LH)	Broad-leaf Cumbungi	***Whalleya proluta*** (M)	**Rigid Panic**

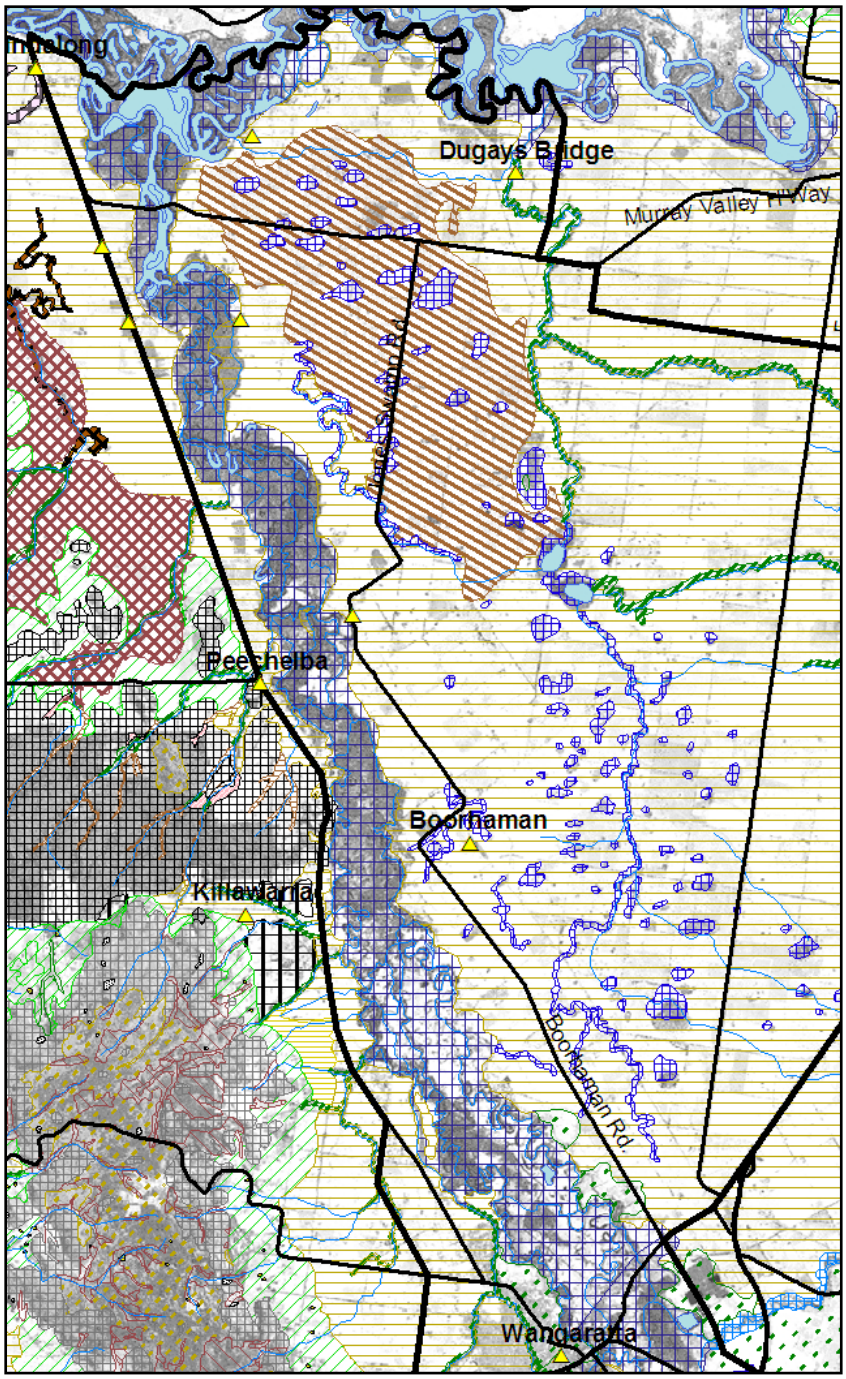
[1] Southern parts of zone only
[2] Sandy, well-drained soils
[3] Potential to spread rapidly

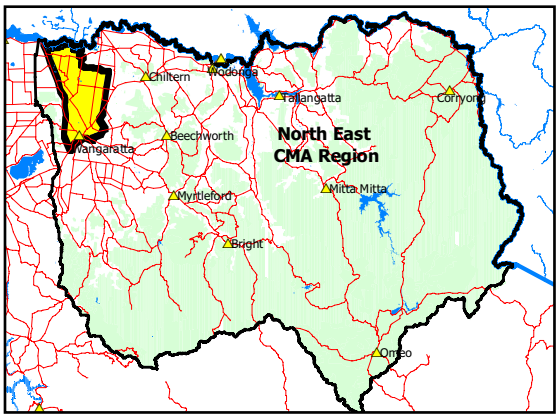
Lower Ovens Plains - Sandy Plains - Creekline

Landform	Plains		Plains		Creeklines / Drainage lines	
Landform Description	Alluvial plains and gently undulating plains at low elevations - dominated by Box eucalypts		Alluvial plains and gently undulating plains at low elevations - dominated by Yellow Box, White Cypress-pine and Buloke		Low-gradient ephemeral (seasonal) to intermittent drainage lines on plains and lower slopes of foothills	
Geology & Soils	Alluvial sediments: well drained red or brown soils, clay loam to sandy clay loam		Alluvial sediments: well-drained sandy loams		Alluvial sediments - sands, clays and silts	
EVC	**Plains Woodland**		**Shallow Sands Woodland**		**Creekline Grassy Woodland**	
Location Example	Roadside north of Black Swamp on Boorhaman East Rd		McDonalds Rd near Lake Moodemere Winery		Black Dog Ck	
Legend	**Trees > 5m**		**Trees > 5m**		**Trees > 5m**	
Underline text = likely to be available from nurseries	***Allocasuarina luehmannii*** (UT)	**Buloke**	***Acacia implexa*** (UT)	**Lightwood**	***Acacia dealbata*** (UT)	**Silver Wattle**
	Eucalyptus albens	White Box	*Allocasuarina luehmannii* (UT)	Buloke	***Eucalyptus camaldulensis***	**River Red-gum**
Bold text = more common in EVC	***Eucalyptus melliodora*** [2]	**Yellow Box** [2]	***Callitris glaucophylla***	**White Cypress-pine**	*Eucalyptus melliodora* [2]	Yellow Box [2]
	Eucalyptus microcarpa	**Grey Box**	***Eucalyptus melliodora*** [2]	**Yellow Box** [2]	***Eucalyptus microcarpa***	**Grey Box**
	Shrubs		*Eucalyptus microcarpa*	Grey Box	**Shrubs**	
	Acacia acinacea (MS)	**Gold-dust Wattle**	*Myoporum montanum* (UT)	Waterbush	***Acacia acinacea*** (MS)	**Gold-dust Wattle**
Trees	*Acacia paradoxa* (MS)	Hedge Wattle	**Shrubs**		***Acacia paradoxa*** (MS)	**Hedge Wattle**
Woody plants (include large shrubs) > 5m	***Acacia pycnantha*** (MS)	**Golden Wattle**	***Acacia acinacea*** (MS)	**Gold-dust Wattle**	***Acacia pycnantha*** (MS)	**Golden Wattle**
(UT) Understorey	*Acacia verniciflua* (MS)	Varnish Wattle	*Acacia pycnantha* (MS)	Golden Wattle	***Bursaria spinosa*** (MS)	**Sweet Bursaria**
Trees = trees or large shrubs > 5m that do not form part of the canopy	***Bursaria spinosa*** (MS)	**Sweet Bursaria**	***Bursaria spinosa*** (MS)	**Sweet Bursaria**	***Callistemon sieberi*** (MS)	**River Bottlebrush**
	Dillwynia cinerascens (SS)	**Grey Parrot-pea**	*Dodonaea viscosa* subsp. *cuneata* (MS)	Wedge-leaf Hop-bush	***Dillwynia cinerascens*** (SS)	**Grey Parrot-pea**
	Eremophila longifolia (MS)	Berrigan	*Eutaxia microphylla* (SS)	Common Eutaxia	*Eutaxia microphylla* (SS)	Common Eutaxia
	Eutaxia microphylla (SS)	**Common Eutaxia**	***Pimelea curviflora*** (SS)	**Curved Rice-flower**	*Pimelea curviflora* (SS)	Curved Rice-flower
	Pimelea curviflora (SS)	Curved Rice-flower	***Pittosporum angustifolium*** (MS)	**Weeping Pittosporum**	**Groundcovers**	
Shrubs	**Groundcovers**		**Groundcovers**		*Austrodanthonia duttoniana* (M)	Brown-back Wallaby-grass
(MS) Medium 1-5m	*Arthropodium fimbriatum* (MH)	Nodding Chocolate Lily	*Aristida behriana* (M)	Brush Wire-grass	*Austrostipa gibbosa* (L)	Spurred Spear-grass
(SS) Small 20cm-1m	*Arthropodium strictum* (LH)	Chocolate Lily	*Arthropodium fimbriatum* (LH)	Nodding Chocolate-lily	***Carex appressa*** (L)	**Tall Sedge**
(PS) Prostrate <50cm	*Austrodanthonia auriculata* (M)	Lobed Wallaby-grass	*Austrodanthonia racemosa* (M)	Stiped Wallaby-grass	***Carex inversa*** (M)	**Knob Sedge**
Groundcovers	***Austrodanthonia caespitosa*** (M)	**Common Wallaby-grass**	*Austrodanthonia eriantha* (M)	Hill Wallaby-grass	*Chloris truncata* (M)	Windmill Grass
(L) Large grass-like plant >1m	*Austrodanthonia carphoides* (M)	Short Wallaby-grass	***Austrodanthonia setacea*** (M)	**Bristly Wallaby-grass**	*Convolvulus remotus* (MH)	Grassy Bindweed
	Austrodanthonia setacea (M)	Bristly Wallaby-grass	*Austrostipa scabra* (M)	Rough Spear-grass	*Cyperus exaltatus* (L)	Tall Flat-sedge
(M) Medium grass-like plant 10cm-1m	***Austrostipa aristiglumis*** (L)	**Plump Spear-grass**	***Chenopodium desertorum*** (MH)	**Frosted Goosefoot**	***Elymus scaber*** (M)	**Common Wheat-grass**
	Austrostipa scabra (M)	Rough Spear-grass	*Chloris truncata* (M)	Windmill Grass	*Enteropogon acicularis* (M)	Spider Grass
(T) Tiny grass-like plant <10cm	***Calocephalus citreus*** (LH)	**Lemon Beauty-heads**	***Chrysocephalum apiculatum*** (LH)	**Common Everlasting**	*Fimbristylis aestivalis* (M)	Summer Fringe-sedge
	Chrysocephalum apiculatum (LH)	**Common Everlasting**	*Dianella longifolia* (M)	Pale Flax-lily	*Goodenia humilis* (SH)	Swamp Goodenia
(LH) Large herb>50cm	***Dianella revoluta*** (M)	**Black-anther Flax-lily**	*Dianella revoluta* (M)	Black-anther Flax-lily	***Juncus amabilis*** (M)	**Hollow Rush**
(MH) Medium herb 5-20cm	***Einadia nutans*** (MH)	**Nodding Saltbush**	***Einadia nutans*** (MH)	**Nodding Saltbush**	*Microlaena stipoides* (M)	Weeping Grass
	Elymus scaber (M)	**Common Wheat-grass**	*Enteropogon acicularis* (M)	Spider Grass	*Persicaria hydropiper* (LH)	Water Pepper
(SH) Small or prostrate herb < 5cm	***Lomandra filiformis*** (M)	**Wattle Mat-rush**	*Lomandra filiformis* (M)	Wattle Mat-rush	*Phragmites australis* (L)	Common Reed
	Maireana enchylaenoides (MH)	**Wingless Bluebush**	*Lomandra multiflora* (M)	Many-flowered Mat-rush	*Poa labillardierei* (M)	Common Tussock-grass
(GF) Ground Fern	*Themeda triandra* (L)	Kangaroo Grass	***Maireana enchylaenoides*** (MH)	**Wingless Bluebush**	*Poa sieberiana* (M)	Grey Tussock-grass
	Tricoryne elatior	Yellow Rush-lily	***Poa sieberiana*** (M)	**Grey Tussock-grass**	***Themeda triandra*** (L)	**Kangaroo Grass**
	Vittadinia gracilis (MH)	**Woolly New Holland Daisy**	*Sida corrugata* (MH)	Variable Sida	*Typha orientalis* (LH)	Broad-leaf Cumbungi
			Vittadinia gracilis (MH)	Woolly New Holland Daisy	*Wahlenbergia fluminalis* (LH)	River Bluebell

[1] Southern parts of zone only

[2] Sandy, well-drained soils





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Legend

- Species List Boundary

Lower Ovens EVCs

- (55) Plains Grassy Woodland (PGW)
- (56) Floodplain Riparian Woodland
- (61) Box Ironbark Forest
- (68) Creekline Grassy Woodland (CGW)
- (74) Wetland Formation
- (97) Pine Buloke Woodland
- (234) PW/Shrubby Granitic-outwash Grassy Woodland Mosaic
- (240) PGW/CGW/Wetland Mosaic
- (255) Riverine Grassy Woodland/Riverine Sedgy Forest/Wetland Mosaic
- (803) Plains Woodland (PW)

Figure 1. Map of the 'Lower Ovens' zone. This satellite image has an overlay of the mapped distribution of the Ecological Vegetation Classes for this zone. The mapping should only be used as an *indication* of which EVCs *may* occur there. To decide which EVCs relate to your property, use the Landform Descriptions and Geology & Soils information in the profiles. For more detailed map see DSE website (www.dse.vic.gov.au) Select 'Interactive Maps' then 'Biodiversity Interactive Map' and choose the appropriate layers.

References:

Berwick, S. (unpublished) *Pre-1750 EVC mapping, Goulburn Broken catchment*, Department of Natural Resources and Environment, Benalla.
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