



LAND CONSERVATION COUNCIL
VICTORIA

BALLARAT AREA VEGETATION

VEGETATION UNITS						
Alliance	Map unit	Typical structural form at maturity	Major eucalypts in the association	Associated tree species	Common understorey species	Typical occurrence
SNOW GUM	1a	OPEN FOREST II	Snow gum		Silver wattle (<5m), Tussock grass, Muehlenbergia, Austrobaileya, Austrobaileya, Bidge-widge	Mount Benger, Lookout Hill
	2a	OPEN FOREST IV	Messmate stringybark	Brown stringybark, Blue gum, Swamp gum	Blackwood (<15m), Silver wattle (<10m), Prickly moss (<10m), Common cassinia (<5m), Large-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass	Mount Cole Range
	2b	OPEN FOREST III	Messmate stringybark, Brown stringybark, Blue gum	Manna gum, Narrow-leaf peppermint, Candlebark	Dense understorey of: Blackwood (<15m), Silver wattle (<10m), Prickly moss (<10m), Common heath (<5m), Large-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass	Mount Cole Range, Mount Lachlan
	2c	OPEN FOREST III	Messmate stringybark	Narrow-leaf peppermint, Candlebark	Blackwood (<15m), Silver wattle (<10m), Prickly moss (<10m), Common cassinia (<3m), Common heath (<5m), Large-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass	Barkstead area, surrounding Moorabool and White Swan Reservoirs
	2d	OPEN FOREST II	Messmate stringybark, Brown stringybark	Broad-leaf peppermint, Scent-bark, Narrow-leaf peppermint, Red stringybark, Swamp gum, Candlebark	Understorey of low shrubs: Golden bush-poa (<5m), Small grass-tree, Narrow-leaf hush-poa (<5m), Tussock grass, Common heath, Candlebark	Enfield and Linton forests
MESSMATE-PEPPERMINT-GUM	2e	OPEN FOREST II	Messmate stringybark	Narrow-leaf peppermint, Scent-bark, Broad-leaf peppermint, Candlebark, Swamp gum	Blackwood (<15m), Silver wattle (<10m), Golden bush-poa (<5m), Large-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass	Creswick, Canadian, Ben Major, Boulder, Lal Lal and Waterloo forests
	2f	OPEN FOREST II	Messmate stringybark	Manna gum, Narrow-leaf peppermint	Moderately dense: Black wattle (<10m), Wedge-leaf hop-bush (<10m), Austrobaileya, Common heath	Restricted area on Mount Langi Ghiran
	2g	OPEN FOREST II	Messmate stringybark	Manna gum	Blackwood (<15m), Silver wattle (<10m), Prickly moss (<10m), Common cassinia (<5m), Large-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass	Mounts Warneep and Bannings
	3a	OPEN FOREST II	Broad-leaf peppermint, Scent-bark	Messmate stringybark, Narrow-leaf peppermint, Candlebark	Open understorey of: Golden bush-poa (<5m), Small grass-tree, Common heath, Black-anther flax-lily (<5m)	Areas near Smythesdale, Linton and Creswick
	3b	OPEN FOREST II	Scent-bark	Narrow-leaf peppermint, Candlebark	Open understorey of: Blackwood (<10m), Black wattle (<10m), Prickly moss (<10m), Common cassinia (<5m), Austrobaileya, Forest wire-grass, Black-anther flax-lily	Small gully areas north of Happy Valley
SCENT-BARK-PEPPERMINT	3c	OPEN FOREST I	Broad-leaf peppermint	Scent-bark	Understorey of low shrubs: Golden bush-poa (<5m), Small grass-tree, Narrow-leaf hush-poa (<5m), Austrobaileya, Forest wire-grass, Prickly moss, Black-anther flax-lily	Lal Lal forest
	4a	OPEN FOREST II	Candlebark	Yellow box, Narrow-leaf peppermint	Open understorey of: Blackwood (<10m), Black wattle (<10m), Prickly moss (<10m), Common cassinia (<5m), Austrobaileya, Forest wire-grass, Prickly moss, Black-anther flax-lily	Areas within Mount Cole, Ben Major, Boulder and Waterloo forests
GUM-PEPPERMINT	4b	OPEN FOREST II	Durabilis, Manna gum, Candlebark	Narrow-leaf peppermint, Messmate stringybark	Open understorey of: Black wattle (<10m), Wedge-leaf hop-bush (<10m), Austrobaileya, Common heath, Prickly moss, Black-anther flax-lily	Areas within Mount Cole forest
	4c	OPEN FOREST II / WOODLAND II	Manna gum	Narrow-leaf peppermint, Swamp gum, Radiata pine	Blackwood (<15m), Common cassinia (<5m), Cherry ballarat (<5m), Austrobaileya, Forest wire-grass	Remnant forests surrounding certain Ballarat Water Catchment, also some 100 km north-west of Enfield forest
	4d	OPEN FOREST II	Swamp gum	Scent-bark, Narrow-leaf peppermint	Open understorey of: Blackwood (<10m), Black wattle (<10m), Prickly moss (<10m), Common cassinia (<5m), Austrobaileya, Forest wire-grass	Small areas in Enfield forest
	4e	OPEN FOREST II	Manna gum (rough-barked)	Black wattle, Messmate stringybark	Silky tea-tree, Common heath, Austrobaileya	Small areas of public land near Dorell
	5a	OPEN FOREST II	Red stringybark, Broad-leaf peppermint	Scent-bark	Understorey of low shrubs: Golden bush-poa (<5m), Small grass-tree, Narrow-leaf hush-poa (<5m), Tussock grass, Common heath	Berrings, Staffordshire Reef forests
RED STRINGYBARK-BOX	5b	OPEN FOREST II	Red stringybark	Broad-leaf peppermint, Red ironbark, Yellow box, Rough-barked manna gum	Understorey of low shrubs: Golden wattle (<2m), Golden bush-poa (<5m), Small grass-tree, Narrow-leaf hush-poa (<5m), Tussock grass, Common heath	Mount Erip forest
	5c	OPEN FOREST II	Red stringybark, Blue gum	Yellow box, Long-leaf box, Messmate stringybark, Candlebark	Open - sparse: Yellow wattle (<2m), Spreading wattle (<2m), Grey heath (<2m), Grey heath (<2m), Narrow-leaf hush-poa (<10m), Prickly moss (<10m), Tussock grass, Common heath	Western slopes of Banger and Ben Nevis
	5d	OPEN FOREST II	Red stringybark, Long-leaf box	Scent-bark, Yellow box, Broad-leaf peppermint, Candlebark	Sparse: Hedge wattle (<2m), Spreading wattle (<2m), Grey heath (<2m), Grey heath (<2m), Narrow-leaf hush-poa (<10m), Prickly moss (<10m), Tussock grass, Common heath	Ben Major, Boulder and Waterloo forests
	5e	OPEN FOREST I / II	Manna gum, Red stringybark, Long-leaf box	Broad-leaf peppermint, Yellow box	Sparse - open understorey of: Black wattle (<10m), Hedge wattle (<10m), Rock fern, Tussock grass	Rocky areas of Mount Langi Ghiran
	5f	OPEN FOREST I / II	Red stringybark	Red box, Yellow box, Long-leaf box, Yellow gum	Sparse and open: Golden wattle (<2m), Grey heath (<2m), Narrow-leaf hush-poa (<10m), Prickly moss (<10m), Tussock grass	Dunnaworthy forest
GUM-BOX	5g	OPEN FOREST I	Red stringybark, Long-leaf box	Red box	Sparse understorey of: Grey heath (<2m), Wedge-leaf hop-bush (<10m), Tussock grass, Rock fern	Northern slopes of Ben Major and Ben Nevis
	5h	OPEN FOREST I	Red stringybark, Red box	Long-leaf box	Golden wattle (<4m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Crown land north of Linton
	5i	OPEN FOREST I	Broad-leaf peppermint	Red stringybark, Red ironbark	Sparse understorey of: Golden bush-poa (<10m), Golden wattle (<10m), Tussock grass, Common heath	Ridges in Mount Erip forest
	5j	OPEN FOREST I	Long-leaf box	—	Silver hush-poa (<5m), Yacca, Austrobaileya, Hedge wattle (<4m)	Mount Langi-Ghiran area
	6a	OPEN FOREST II	Yellow gum	Yellow box, River red gum, Scent-bark	Sparse and open: Golden wattle (<4m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Dunnaworthy forest
WOODLAND II / WOODLAND II	6b	OPEN FOREST II / WOODLAND II	Grey box	Red box, Red stringybark, Long-leaf box, Yellow box, Yellow gum, Red ironbark	Golden wattle (<4m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Crown land north of Linton
	6c	OPEN FOREST II / WOODLAND II	Yellow gum	Yellow box, Red stringybark, Grey gum	Open understorey of: Blackwood (<10m), Silver wattle (<10m), Prickly moss (<10m), Common heath (<10m), Large-leaf hush-poa (<10m), Austrobaileya, Forest wire-grass	Small areas west of Ben Nevis
	6d	WOODLAND II	Yellow gum	Yellow box, Red river gum, Scent-bark	Sparse and open: Golden wattle (<4m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Dunnaworthy forest
	6e	WOODLAND I / II	Yellow gum, Long-leaf box	Yellow box, Red stringybark	Sparse and open: Golden wattle (<4m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Dunnaworthy forest
	6f	WOODLAND II	Yellow box, Red river gum	Manna gum	Open understorey of: Black wattle (<10m), Hedge wattle (<10m), Red wattle (<10m), Spreading wattle (<2m), Tussock grass	Flat area west of Mount Langi-Ghiran
WOODLAND II	6g	WOODLAND II	Red river gum	Blackwood, Silver wattle	Common sedge, Bulrush, Spiny Heliconia	River and creek frontages
	6h	WOODLAND II	Red river gum	Blackwood, Silver wattle	Pasture	Langi Lal
SOFTWOOD PLANTATION	7	OPEN FOREST III	Radiata pine			Creswick, Ballarat, Stoney Creek, Mount Lachlan
CLEARED LAND / GRASSLAND	8					
Wetlands	Map unit	Common aquatic plants	Common shoreline plants	Locations		
	9a	Tall spike-rush, Common water-rush, Common duckweed, River arrowweed, Floating pondweed, Water ribwort, Eel grass	Common spike-rush, Australian reed, Bulrush, Yellow marsh flower	Bittern Lagoon, Bannings, Winton Swamp, Hepburn Lagoon		
	9b	Tall spike-rush, Floating pondweed, Water ribwort	Tall spike-rush, Common reed	Lakes Bole, Burrumbidgee and Levenworth, Water storages		
	9c	Note: Aquatic vegetation limited to margins	Banded glasswort, Creeping broomweed, Creeping monkey flower, Water buttercup, Sallies	Lake Goldenbush		
	9d	Sea grass, Long fruit water-mat	Banded glasswort, Grey glasswort, Creeping broomweed, Chilly sea-wedge, Creeping monkey flower	Lakes Wanges, Campl, Tarramundi, Tarramundi, Cocklebury Lakes		
Height range of structural categories: Open forest IV >40m, Open forest III 20-40m, Open forest II 10-20m, Open forest I 5-10m, Woodland II 15-20m, Woodland I 5-10m						

MAP No. 9
SHEET 1