

# PART B: The map units

## B.1 Summary of the Map Units

LANDFORM PATTERN	GEOLOGY	PHYSIOGRAPHY	SOILS	NATIVE VEGETATION	LAND USE	NOTABLE SOIL DETERIORATION PROCESSES
Plains	Quaternary alluvium	Level to gently undulating plains	Red duplex soils (apludens comb). Grey or brown uniform cracking clays.	<i>E. microcarpa</i> <i>E. camaldulensis</i> <i>E. melliodora</i> <i>E. largiflorens</i> <i>Cassinia heilmannii</i>	Cropping, grazing	Surface scuffing, minor salting.
	Quaternary to Tertiary basaltic rocks	Level to gently undulating plains (includes a few vicinities.)	Red gradational soils (Koolford plateau). Brown duplex soils - often containing buckshot	<i>E. microcarpa</i> <i>E. camaldulensis</i> <i>E. melliodora</i> <i>Cassinia heilmannii</i> in south <i>E. viminalis</i> , <i>E. ovata</i>	Grazing, cropping	Surface compaction Salting near Mooroot
	Devonian granitic rocks	Gently undulating plains	Red, yellow or brown duplex soils.	<i>E. microcarpa</i> <i>E. leucopylla</i> Mulco areas: <i>E. genuata</i> <i>E. polybractea</i>	Grazing; minor cropping and lucalyptus oil production.	Minor sheet and gully erosion.
Rises	Quaternary colluvium and alluvium	Gently undulating rises.	Red duplex soils.	<i>E. microcarpa</i> <i>E. leucopylla</i> <i>E. melliodora</i>	Grazing, cropping.	Minor sheet and gully erosion.
	Quaternary to Tertiary basaltic rocks	Gently undulating rises (includes numerous vicinities and some entrenched valleys).	Red gradational soils Brown duplex soils often containing buckshot. Grey or dark cracking clays.	<i>E. viminalis</i> <i>E. melliodora</i> <i>E. obliqua</i> <i>E. camaldulensis</i> <i>E. rubra</i>	Cropping, grazing.	Minor sheet erosion.
	Devonian granitic rocks	Gently undulating to undulating rises.	Yellow, red or brown duplex soils, often with a bleached A2 horizon, minor uniform coarse sands.	<i>E. microcarpa</i> <i>E. melliodora</i> <i>E. leucopylla</i> <i>E. leucopylla</i> <i>Cassinia heilmannii</i> Mulco areas: <i>E. viminalis</i> , <i>E. bathiana</i> In south: <i>E. viminalis</i> Mt. Kwoyemba <i>E. bleakleyi</i>	Grazing; minor cropping lucalyptus oil production, sand mining and softwood plantations.	Sheet and gully erosion.
	Ordovician sandstone shale and slate (includes small areas of Tertiary gravels)	Gently undulating to undulating rises	Red or yellow duplex soils. Stony red or yellow gradational soils. Uniform sands (Tertiary areas).	<i>E. microcarpa</i> <i>E. leucopylla</i> <i>E. microcorymbosa</i> <i>E. gonocorymbosa</i> <i>E. polyanthemos</i> Mulco areas: <i>E. bathiana</i> <i>E. polybractea</i> , <i>E. viminalis</i> In south: <i>E. viminalis</i> <i>E. melliodora</i>	Grazing, forestry, lucalyptus oil production, gold mining, recreation, gravel stripping (Tertiary areas).	Sheet and gully erosion, salting
Rises to low hills.	Devonian granitic rocks	Gently undulating to undulating rises and low hills.	Yellow or brown duplex soils, typically with a bleached A2, minor coarse sands.	<i>E. microcarpa</i> <i>E. leucopylla</i> <i>E. gonocorymbosa</i> <i>E. melliodora</i> <i>E. camaldulensis</i>	Grazing, minor cropping, sand mining and irrigated horticulture.	Sheet and gully erosion, salting.
Low hills to hills	Devonian granitic rocks	Undulating to rolling low hills and rises.	Upper coarse sandy soils; minor mixed yellow duplex soils in gentler rock-free areas.	<i>E. microcarpa</i> <i>E. melliodora</i> <i>E. gonocorymbosa</i> <i>E. leucopylla</i> <i>E. obliqua</i> , (Mount Anzac) <i>E. bleakleyi</i> , (Mount Kwoyemba).	Forestry, recreation; minor softwood plantations and grazing.	Sheet and track erosion.
	Ordovician sandstone, shale and slate	Undulating to rolling low hills and hills.	Yellow duplex soils on gentler slopes, yellowish brown to reddish brown stony, uniform to gradational soils.	<i>E. gonocorymbosa</i> <i>E. microcarpa</i> <i>E. melliodora</i> <i>E. camaldulensis</i> <i>E. microcorymbosa</i> <i>E. polyanthemos</i> in south. <i>E. viminalis</i> , <i>E. obliqua</i> <i>E. bleakleyi</i> , <i>E. rubra</i> <i>E. ovata</i>	Grazing, forestry, recreation, softwood plantations.	Sheet and track erosion, gully erosion, salting.

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Map D: Summarised map units

