

GEOMORPHOLOGY

Melbourne Area District 1 - Review

1:250 000

Land Conservation Council
Victoria

LEGEND

Geomorphic Surface	Map Symbol	Topographic Feature	Soil Parent Material
Baw Baw Surface	Bp	Broad crest	Rhyodacite (Macedon)
	Km	Rolling lower slopes	Rhyodacite (Macedon)
	Ks	Steep slopes - broad crests	Granitic rocks (Cobaw)
Kinglake Surface	Kgm	Undulating plateau	Chert and diabase
	Ks	Very steep slopes - broad crests	Cretaceous sediments (Barrabool)
	Ks	N-S ridge of hills	Granitic rocks (You Yangs)
	Es1	Very steep, strong dissection	Granitic rocks (Cobaw)
	Es2	Moderately steep hills	Shale / sandstone (Briarbane Ranges)
	Es3	Steep rocky hills in the plain	Sandstone and siltstone
	Es4	Moderately steep hills with outcrop	Shale / sandstone (Stielglitz)
	Es5	Very steep, strong dissection	Shale / sandstone (Lerderberg)
	Es6	Steep, strong dissection	Shale / sandstone (Blackwood)
	Es7	Very steep ridges and aureoles	Mainly metamorphic rocks
	Es8	Steep ridges and dissected areas	Sandstone and siltstone
	Es9	Steep slopes and rounded hills	Older basalt
	Em	Rolling elevated plain	Cretaceous sediments (Barrabool)
	EgM1	Low isolated hills with outcrop	Granitic rock
	EgM2	Rolling hills with outcrop	Granitic rock (Cobaw)
	EgM3	Undulating land with deep gullies	Shale / sandstone - Tertiary crests
	EgM4	Low hills	Shale / sandstone and tillite
	EgM5	Hills and rolling country	Sandstone / siltstone
	EgM6	Moderate slopes - close dissection	Shale / sandstone (Daylesford)
	EgM7	Isolated rises and moderate slopes	Shale / sandstone
	EgM8	Gentle slopes of isolated hills	Granitic rocks
	EgM9	Gentle slopes and footslopes	Older basalt
	EgM10	Gentle slopes and plains	Shale / sandstone
	EgM11	Gentle to undulating slopes	Older basalt
	EgM12	Undulating plain	Older basalt
	EgM13	Moderately steep valleys and slopes	Marine Tertiary (Bellbrae)
	EgM14	Steep hills along the coast	Marine Tertiary (Anglesea)
	EgM15	Deeply entrenched river valleys	Marine Tertiary (Maude)
	EgM16	Steep dissected hills	Non-marine Tertiary (Bald Hills)
	EgM17	Broad steep sided valleys	Non-marine Tertiary (Parwan)
	EgM18	Entrenched stream valleys	Mainly various sediments and basalt

Geomorphic Surface	Map Symbol	Topographic Feature	Soil Parent Material
Older Alluvial Plains, Fans and Marine Plains	DmP1	Undulating plain	Tertiary marine sediments
	DmP2	Remnant plateau areas	Tertiary non-marine sediments
	DmP3	Undulating plains	Tertiary non-marine sediments
	DmP4	Broad undulating crests	Tertiary non-marine sediments
	DmP5	Flat plain and gentle footslopes	Pleistocene fan material
	DmP6	Flat plain	Pleistocene fan material
	DmP7	Gentle footslopes	Pleistocene delta material (Werribee)
	DmP8	Flat plain	Pleistocene fan material
	DmP9	Gentle slopes	Pleistocene alluvium (Murray Basin)
	DmP10	Broad alluvial plains	Recent alluvium
	DmP11	Coastal stream flood plain	Recent alluvium
	DmP12	Major stream flats	Recent alluvium (Goulburn River)
	DmP13	Flat alluvial valley floors	Recent alluvium
	DmP14	Major riverine flood plain	Recent alluvium
	DmP15	Undulating plain	Wind blown sands on Tertiary deposits

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Plains with Minor Undulations	NbP1	Plains with stony rises	Basalt (Lethbridge)
	NbP2	Plains with some stony rises	Basalt (Anakie and Mickleham)
	NbP3	Plains of stony rises	Basalt (Melton)
	NbP4	Plains of stony rises	Basalt (Little River)
	NbP5	Plains - flat to gently undulating	Basalt (Meridith)
	NbP6	Undulating plains	Basalt (Kyneton and Kilmore)
	NbP7	Undulating plains	Basalt (Gisborne)
	NbP8	Rolling low hills and plains	Trachytes (Hanging Rock)
	NbP9	Rolling plains and valley floors	Basalt (Trenham)
	NbP10	Undulating plains	Basalt (Ballan)
	NbP11	Major volcanic hills (cones)	Various volcanics - basalt, tuff, scoria
	NbP12	Moderate slopes	Basalt
	NbP13	Deeply entrenched streams	Mainly basalt
	NbP14	Hills with basalt cappings	Basalt cap on sedimentary rocks

Geomorphic Surface	Map Symbol	Topographic Feature	Soil Parent Material
	CwD	Coastal dunes and beach ridges	Aeolian sands, dune limestone
	CcP	Coastal salt marshes and mangrove swamps with occasional beach ridges	Coastal, aeolian and estuarine deposits

Note: The subdivisions indicated by numbers refer to different soil associations - for details see text.

City, town or borough boundary
Public land
Normal fault
Study area boundary

B A S S S T R A I T