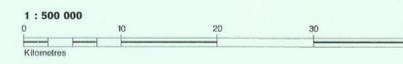


LAND SYSTEMS AND GEOMORPHIC UNITS



Land Conservation Council
Victoria

Notes:

- Each land system is identified firstly by the geomorphic unit in which it lies. These units are listed (to the left) and their symbols (1.1 to 9.3) are shown in bold type on the map. Boundaries between geomorphic units are shown by a heavy line.
- Within each geomorphic unit the land systems are identified by composite symbols which reflect the landform (upper case letters), lithology (lower case letters) and climate (numbers 2 to 9) characteristic of that land system. When more than one letter is used for landform or lithology, the land system contains a mixture with the order of letters reflecting the decreasing abundance of each feature. The subscripts differentiate land systems which have otherwise similar symbols, but which have variations in soils, indigenous vegetation or both.
- The Land System Table (see microfiche card in the map pocket), outlines for each land system its indigenous vegetation, soils, soil process limitations, and equivalent land systems in published studies.
- The maps were compiled by J.N. Rowan, Land Protection Division, from various sources, mainly Land Protection Division and Soil Conservation Authority publications. Additional land systems mapping was carried out by J.N. Rowan in areas marked on the reliability diagram. Geomorphic units were identified by J.J. Jenkin and J.N. Rowan.
- Additional data
The 1:500 000 map boundaries shown have been simplified from the Statewide land system map series prepared at 1:250 000 scale. That series and the report "Land systems of Victoria" are available from the Land Conservation Council and the Land Protection Division of the Department of Conservation and Environment. The report includes the Land System Table, Locality plan and references for published studies, and explanatory information.

LEGEND

- Geomorphic Unit Boundaries
- Land System Boundaries
- Land System Boundary - Rainfall
- 1.1** Geomorphic Unit Map Symbol
- PI4** Land System Map Symbol

KEY TO LAND SYSTEM SYMBOLS

LANDFORM		CLIMATE (mean annual rainfall)	
C	Coastal dune	2	200-300 mm
E	East-west dune	3	300-400 mm
F	Present floodplain	4	400-500 mm
G	Gentle to moderate hill	5	500-600 mm
I	Irregular dune	6	600-700 mm
L	Lunette	7	>700 mm temperate
P	Plain above flood level	8	>700 mm montane
R	Stranded beach ridge, usually trending nnw-sse	9	>700 mm sub-alpine
S	Sleep mountain and hill		
W	Weakly elongated dune		
Y	Gypseous dune		
LITHOLOGY (rock or sediment type)			
c	Coarsely-textured unconsolidated deposits		
f	Finely-textured unconsolidated deposits		
g	Granites and gneisses		
l	Limestone		
s	Sedimentary rocks		
v	Volcanic rocks		
z	Saline finely-textured deposits		

GEOMORPHIC UNITS

Geomorphic Unit	Map Symbol	Description	Geomorphic Unit	Map Symbol	Description	Geomorphic Unit	Map Symbol	Description
Central Victorian Uplands	1.1	Dissected uplands	Murray Basin Plains	4.1	Present floodplain (Murray Valley)	South Victorian Coastal Plains	8.1	Ridges and flats (Follett)
	1.2	Dissected plateaux (Wellington uplands)		4.2	Dissected plateaux (Shepparton)		8.2	Dissected plains (Port Campbell)
	1.3	High plains (Dargo, Bogong, etc)		5.1	Low calcareous dunes (Ouyen)		8.3	Sand and clay plains (Moorabbin)
	2.1	Dissected uplands (Midlands, etc)		5.2	High siliceous dunes (Big Desert/Sunset)		8.4	Fans and terraces (Western Port)
	2.2	Prominent ridges (Grampians)		6.1	Clay plains (Nhill)		8.5	Barrier complexes (Discovery Bay/Gippsland Lakes)
	2.3	Dissected tableland (Dundas Tableland)		6.2	Ridges and flats (Goroke)	9.1	Present floodplains (Gippsland)	
South Victorian Uplands	2.4	Dissected tableland (Merino Tableland)	West Victorian Volcanic Plains	6.3	Low siliceous dunes (Little Desert)	9.2	Intermediate terraces (Gippsland)	
	3.1	Dissected fault blocks (Midlands Ranges)		7.1	Undulating plains (Western District)	9.3	High terraces and fans (Gippsland)	
	3.2	Moderately dissected block (Barrabool Hills)		7.2	Stony undulating plains (Western District)			
	3.3	Moderately dissected ridge (Mornington Peninsula)						
	3.4	Dissected fault blocks (S. Gippsland Ranges)						
		3.5	Dissected outlier (Wilson's Promontory)					

MAP 9

Cartography by Thomson Mapping Unit
Division of Survey and Mapping