

524141

BEULAH

Beulah land system is related to the Forth River land system by the similarity of their rocks and soils, but Beulah occupies the higher, gentler topography extending outwards from the rims of the steep valleys of the Forth and Leven Rivers. A large area also stretches south-easterly from south of Sheffield and includes the Paradise-Beulah area and the northern footslopes of the Gog Range.

The soils are gradational, mostly gravelly and, except on the crests, relatively deep. Colours range from a brownish yellow on the crests, through a redder hue on the slopes to a strong brown on the gentle footslopes. On the creek flats profiles are mottled. Stoniness, which is a feature of the crests, gives way to gravelly pro-

files on the slopes, while stone and gravel are absent from the flats. The permeability is low on the flats but moderate elsewhere.

Stringybark and black peppermint and to a lesser extent, white gum, characterise the forest vegetation on the higher components where a low shrub layer comprises prickly beauty, heath, prickly mimosa and bracken. On the gentle footslopes and creek flats, white gum and swamp gum occupy the dominant positions while woolly tea-tree is the principal shrub species and sedges and rushes are also present.

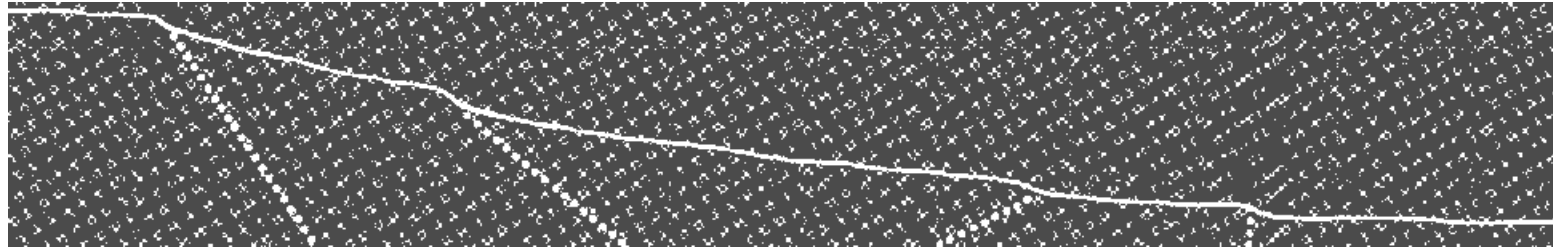
Extensive areas have been cleared for improved pastures. Forestry is the other major use and some sites have been planted to pines.

Soil erosion, particularly on the steeper slopes, and waterlogging which is a problem on the creek flats are important constraints to the use of this land.

LAND SYSTEM

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Beulah



COMPONENT	1	2	3	4	5
PROPORTION %	10	20	35	15	20
CLIMATE	Average Annual Rainfall 1 000-1 250 mm				
GEOLOGY	Cambrian greywacke turbidite sequences basic intermediate rocks				
		Colluvium			Alluvium
TOPOGRAPHY					
Land form	Hills				
Position	Crests	Steep upper slopes	Moderate midslopes	Gentle footslopes	Creek flats
Average Sideslope °	6	16	8	2	1
NATIVE VEGETATION					
Structure	Open forest				
Association	Stringybark, black peppermint, white gum, prickly mimosa, heath, prickly beauty, bracken			White gum, swamp gum, black peppermint, stringybark, woolly tea tree, <i>Juncus</i> sp, tall sword rush	
SOIL	Stony, brownish yellow (10 YR 6/8) gradational soil	Stony, gravelly, red (2.5 YR 5/6) gradational soil	Gravelly, yellowish red (5 YR 5/6) gradational soil	Gravelly strong brown (7.5 YR 5/6) to yellowish brown (10 YR 5/4) gradational soil	Mottled grey (10 YR 6/1), yellowish brown (1.0 YR 5/8) gradational soil
Surface Texture	Gravelly loam		Clay loam	Peat	
Permeability			Moderate	Low	
Average Depth m	0.7	2.0	1.5	>1.8	1.2+
PRESENT LAND USE	Grazing, forestry				
HAZARDS	Low sheet erosion	High gully erosion	Moderate sheet, gully erosion	Low sheet erosion	High waterlogging