

GEMBROOK (Gem) LAND SYSTEM (Area: 14 km²; 0.5%) Rolling crests on olivine basalt with red gradational soils; messmate-peppermint-stringybark open-forest, mostly cleared.		
LAND COMPONENT	1	2
Proportion (%)	85	15
CLIMATE	Annual precipitation 1200-1400 mm	
GEOLOGY	Tertiary olivine basalt caps, mostly over Silurian mudstone	
TOPOGRAPHY		
Elevation (m)	200-300	
Local Relief (m)	20-50; commonly 30	
Land Form	Rolling surfaces on broad crests	
Position	Gentle slopes	Short steeper slopes
Sideslope (%)	2-10	10-20
Slope Shape	Convex	Linear
NATIVE VEGETATION		
Structure	Woodland or open-forest	
Association	Messmate, broad leaved peppermint, red stringybark, candlebark	
SOILS		
Group	Red gradational soil (Krasnozems) (locally truncated by erosion of topsoil)	
Northcote Class	Gn 3.11	
Surf. Texture	Silt loam	
Subsurf. Texture	Silty clay loam to silty clay	
Permeability	High to moderate	
Soil Depth (m)	2.00	
LAND USE	Almost wholly cleared for intensive cropping; some grazing. Fruit growing, nurseries; local urban and rural development.	
HAZARDS	Low erosion Poor water retention by earthen embankments.	Moderate erosion Poor water retention by earthen embankments.
CAPABILITY		
Urban Subdivision	I	II
Rurban Subdivision	A	A
Agriculture	1	2