



MAP UNIT Quaternary basalt, undulating

SYMBOL Qbu

GENERAL DESCRIPTION

This map unit occurs extensively throughout the study area and consists of a gently undulating basaltic plateau surface.

The solum becomes deeper in the higher reaches of the catchment.

Map Unit is	20.2	% study area	Ref. Plate	2
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PARENT MATERIAL

Depth to rock	100	cm
Rock outcrop	0	%
Surface stones	0	%
Landslip risk	Nil	
Shrink/swell potential	Moderate-high	
Northcote code & SCS Ext.	Gn3.12 – 4/2/30	

LANDFORM

Gently undulating plain		
Slope-common	3	%
- range	0-5	%
Flood risk	Nil	
Profile drainage	Well-drained	
Seasonal watertable	Nil	
Unified soil group	A	
	B	CL

EROSION HAZARD

Low, however batters will slump readily

NATIVE VEGETATION	Manna gum, Broad-leaf peppermint	LAND USE	Cropping (potatoes, cereal), grazing
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PROFILE DESCRIPTION

0-35 cm Dark reddish brown (5YR3/3) clay loam; strong medium crumb structure; very friable when moist, slightly hard when dry; pH 5½;

Diffuse transition to:

35-90 cm Dark reddish brown (2.5YR 3/6) light clay; moderate, fine angular blocky structure; friable when moist; 10% of soil volume as gravel of parent material to 8 mm diameter; pH 7;

Giving way to decomposing parent material.

MAP UNIT Tertiary, undulating

SYMBOL TU

Capability of the land to support various activities

Capability of the land to support subdivision

ACTIVITY	RATING	MAJOR LIMITING FEATURES OF THE LAND
Building foundations	Fair	Unified soil group; shrink-swell
Absorption fields	Good	
Secondary roads	Fair	Unified soil group; shrink-swell
Gravel roads	Fair	Unified soil group
Access tracks	Poor	Unified soil group; load bearing capacity when wet (boggy)
Shallow excavations	Good	
Farm dams	Poor	High percolation rate; depth to rock
Sewage lagoons	Poor	High percolation rate
Intensive cultivation	Very good	
Path & trails	Very good	

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Fair	Building foundations; secondary roads
Bush Blocks (4 ha)	Fair	Gravel roads; access tracks
Small Farmlets (4 ha)	Fair	Farm dams; access tracks
Large Farmlets (16 ha)	Fair	Farm dams (otherwise Good)
Effect of subdivision on the town water supply		
There are no land features of this map unit which pose a significant hazard to water supply		