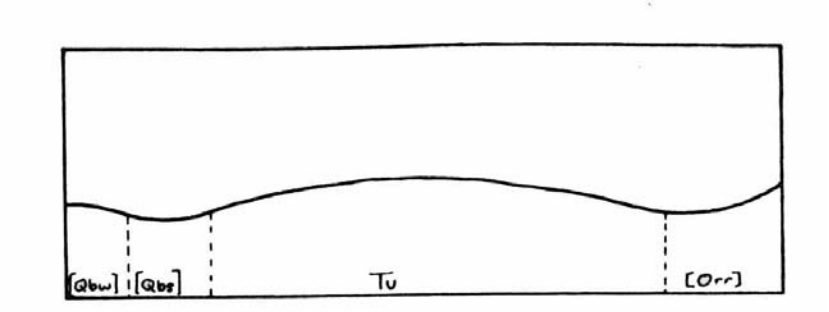

MAP UNIT	Tertiary, undulating	SYMBOL	Tu

GENERAL DESCRIPTION

This map unit occurs only once in the study area although similar land is common around Creswick where it occurs as small deposits.

Map Unit is	1.2	% study area	Ref. Plate	1

PARENT MATERIAL
Tertiary marine sediments, associated with auriferous deposits

Depth to rock	>150	cm
Rock outcrop	0	%
Surface stones	0	%
Landslip risk	Nil	
Shrink/swell potential	Moderate	
Northcote code & SCS Ext.	*Dy 3.41 – 2/3/45	

LANDFORM
Gently undulating plain

Slope-common	4	%
- range	0-5	%
Flood risk	Nil	
Profile drainage	Imperfect	
Seasonal watertable	Temporarily waterlogged	
Unified soil group	A	
	B	MH-CL

EROSION HAZARD

Low: B horizon will disperse readily but gentle slopes reduce the hazard

NATIVE VEGETATION	Manna gum, Broad-leaf peppermint	LAND USE	Grazing

MAP UNIT	Tertiary, undulating	SYMBOL	Tu

PROFILE DESCRIPTION

0-15 cm — Dark brown (10YR3/4) faintly mottled loam; fine angular blocky structure; friable when moist, hard when dry; pH 6½;

Clear transition to:

15-45 cm — Dull yellow orange (10YR6/3, bleached when dry) faintly mottled fine sandy clay loam; apedal massive structure; non-plastic when wet, very hard when dry; 1% of soil volume as quartz gravel to 3 mm diameter, pH 6½;

Clear transition to:

45-85 cm — Bright yellowish brown (10YR6/6) distinctly mottled silty clay to light clay; apedal massive structure; firm when moist; 2% of soil volume as quartz gravel to 10 mm diameter between 80-85 cm; pH 5½;

Clear transition to:

80-150 cm — Yellowish brown (10YR5/6) prominently mottled medium clay; weak, fine subangular blocky structure; firm when moist; pH 5½;

Continuing with depth

MAP UNIT Tertiary, undulating

SYMBOL TU

Capability of the land to support various activities

ACTIVITY	RATING	MAJOR LIMITING FEATURES OF THE LAND
Building foundations	Fair	Site drainage
Absorption fields	Poor	Soil drainage – seasonal watertable
Secondary roads	Fair	Site drainage; Unified soil group
Gravel roads	Fair	Site drainage; Unified soil group
Access tracks	Poor	Soil drainage; boggy when wet
Shallow excavations	Good	Soil drainage (seasonal)
Farm dams	Good	
Sewage lagoons	Good	
Intensive cultivation	Poor	Shallow A1 horizon; hard-setting A2 horizon; site drainage
Path & trails	Fair	Site drainage

Capability of the land to support subdivision

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Fair	Building foundations; secondary roads
Bush Blocks (4 ha)	Fair	Absorption fields; access tracks
Small Farmlets (4 ha)	Poor	Absorption fields; access tracks
Large Farmlets (16 ha)	Fair	Access tracks

Effect of subdivision on the town water supply

URBAN	Soil disturbance associated with development will be a temporary source of non-point pollution.
FARMLETS	Occasional unsatisfactory performance of septic tank absorption fields and overgrazing on small allotments, and a minor but continuing source of non-point pollution are a moderate hazard to water supply.
BUSH BLOCKS	As for Farmlets, but the hazard is less due to the greater vegetative cover