



MAP UNIT Ordovician, hilly

SYMBOL Orh

GENERAL DESCRIPTION

This map unit is characterised by its relatively steep slopes and shallow soils derived from Ordovician parent materials. It is still forested and freehold areas are under some pressure for development for low intensity residential use.

Map Unit is	3.4	% study area	Ref. Plate	7
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PARENT MATERIAL		
Ordovician sediments (in situ)		
Depth to rock	75	cm
Rock outcrop	0	%
Surface stones	0	%
Landslip risk	Nil	
Shrink/swell potential	Moderate	
Northcote code & SCS Ext.	Dy - 4/0/10	

LANDFORM		
Well dissected hills		
Slope-common	18	%
- range	15-20	%
Flood risk	Nil	
Profile drainage	Well drained	
Seasonal watertable	Nil	
Unified soil group	A	
	B	ML/CH

EROSION HAZARD

Moderate: steep slopes and B horizon which slakes

NATIVE VEGETATION	Broad-leaf peppermint, Messmate	LAND USE	Forestry
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PROFILE DESCRIPTION

0-10 cm Dark brown (10YR 3/4) clay loam; apedal massive structure; hard when dry; pH 4½;

Clear transition to:

10-50 cm Orange (10YR 6/6) medium clay; apedal massive structure; very firm when moist; 10% of soil volume, increasing with depth, as gravel of parent material to 5 mm diameter; pH 5;

Giving way to decomposing parent material.

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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	Poor	Slope
Absorption fields	Poor	Slope
Secondary roads	Poor	Slope; dispersible B horizon
Gravel roads	Fair	Slope; dispersible B horizon
Access tracks	Poor	Slope
Shallow excavations	Poor	Slope; depth to rock
Farm dams	Poor	Slope; thin layer of construction material
Sewage lagoons	Very poor	Slope
Intensive cultivation	Very poor	Shallow A horizon; slope
Path & trails	Poor	Slope

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Poor	All relevant activities
Bush Blocks (4 ha)	Poor	Building foundations; absorption fields; access tracks
Small Farmlets (4 ha)	Poor	Building foundations; absorption fields; access tracks; dams
Large Farmlets (16 ha)	Poor	All relevant activities
Effect of subdivision on the town water supply		
URBAN	Provided revegetation of exposed clay is successful, the extensive soil disturbance associated with development will be a temporary but significant source of turbidity and/or sediment in runoff water. Increased hard surfacing (roofing and roading) will increase peak runoff, resulting in increased erosion hazard where surface runoff is discharged.	
FARMLETS AND BUSH BLOCKS	As for urban, with the addition hazards to water supply of unsatisfactory operation of septic tanks, clearing and overgrazing of small allotments.	