



MAP UNIT Quaternary basalt, wet

SYMBOL Qbw

GENERAL DESCRIPTION

This map unit is associated with the Qbs unit in a poorly drained area of basaltic soils in the north of the study area.

It consists of the low rises in an undulating plain.

Map Unit is	3.7	% study area	Ref. Plate	4
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PARENT MATERIAL

Quaternary basalt (in situ)		
Depth to rock	100	cm
Rock outcrop	0	%
Surface stones	0	%
Landslip risk	Nil	
Shrink/swell potential	Moderate	
Northcote code & SCS Ext.	GN 4.14 – 4/3/12	

LANDFORM

Low rises in a gently undulating plain		
Slope-common	4	%
- range	0-5	%
Flood risk	Low	
Profile drainage	Poor	
Seasonal watertable	Seasonally waterlogged	
Unified soil group	A	CL

EROSION HAZARD

Low, however batters will slump

NATIVE VEGETATION	Manna gum	LAND USE	Grazing, some cropping (cereals)
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PROFILE DESCRIPTION

0-12 cm Very dark brown (2.5YR 2/3) clay loams; strong medium crumb structure; very friable when moist; 5% of soil volume as gravel of parent material to 10 mm diameter;

Clear transition to:

12-30 cm Very dark brown (10R 2/3) light clay; moderate fine subangular blocky structure; friable when moist; 5% of soil volume as gravel of parent material to 4 mm diameter; pH 6;

Gradual transition to:

30-85 cm Dull reddish brown (5YR 4/4) medium clay; moderate fine subangular blocky structure; friable when moist; 20% of soil volume as gravel of parent material and ironstone concretions; pH 7;

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	Site drainage
Absorption fields	Poor	Site drainage; shallow seasonal watertable
Secondary roads	Fair	Site drainage (seasonally dry)
Gravel roads	Poor	Site drainage; load bearing capacity when wet
Access tracks	Poor	Site drainage; load bearing capacity (boggy)
Shallow excavations	Fair	Site drainage (seasonally dry)
Farm dams	Poor	Thin layer of construction material; percolation rate
Sewage lagoons	Very poor	Shallow seasonal watertable
Intensive cultivation	Poor	Site drainage
Path & trails	Poor	Site drainage

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Poor	Building foundations
Bush Blocks (4 ha)	Poor	All relevant activities
Small Farmlets (4 ha)	Poor	All relevant activities
Large Farmlets (16 ha)	Poor	All relevant activities
Effect of subdivision on the town water supply		
URBAN	There are no land features of this map unit which would pose a specific threat to water supply under urban development.	
FARMLETS AND BUSH BLOCKS	Unsatisfactory operation of specific tank absorption fields during the wetter months will result in significant bacterial contamination of runoff water, and ultimately, water in Cosgrave Reservoir.	