



**MAP UNIT** Drainage line, basalt

**SYMBOL** D1b

**GENERAL DESCRIPTION**

This map unit encompasses the permanently wet, defined drainage lines in the basaltic portions of the study area. While the drainage line may be well-incised in the upper reaches of the catchments, there is little or no active stream bank erosion, since the banks are well vegetated.

Map Unit is	2.2	% study area	Ref. Plate	2
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PARENT MATERIAL		
Quaternary basalt		
Depth to rock		cm
Rock outcrop		%
Surface stones		%
Landslip risk		
Shrink/swell potential		
Northcote code & SCS Ext.		

LANDFORM		
Drainage line		
Slope-common	3	%
- range	2-6	%
Flood risk	High	
Profile drainage	Very poor	
Seasonal watertable	Permanently wet	
Unified soil group	A	
	B	

**EROSION HAZARD**

Very low, provided the map unit is retained as a drainage line;  
 low for dam spillways if adequate design construction techniques and management are provided.

<b>NATIVE VEGETATION</b>	<b>LAND USE</b> Drainage, water storage
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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	Very poor	The permanently wet nature of the map unit is the major limiting feature for all activities
Absorption fields	Very poor	
Secondary roads	Very poor	
Gravel roads	Very poor	
Access tracks	Very poor	
Shallow excavations	Very poor	
Farm dams	Fair	
Sewage lagoons	Very poor	
Intensive cultivation	Very poor	
Path & trails	Very poor	

SUBDIVISION TYPE	RATING	MAJOR LIMITING ACTIVITIES
Urban (sewered)	Very poor	Building foundations; shallow excavations; secondary roads
Bush Blocks (4 ha)	Very poor	Building foundations; absorption fields; gravel roads; access tracks
Small Farmlets (4 ha)	Very poor	Building foundations; absorption fields; gravel roads; access tracks
Large Farmlets (16 ha)	Very poor	Building foundations; absorption fields; access tracks
<p>Effect of subdivision on the town water supply</p> <p>Although this map unit is a drainage line and any soil disturbance is likely to result in soil loss, the effect on water entering either Cosgrave or Russell Reservoirs, or the reservoirs themselves, will be minimal because of the many irrigations dams which will act as sedimentation basins. However, there are no irrigation dams in the catchment to the Dean Reservoir and any soil loss or contamination of runoff water will affect the quality of stored water or the storage itself.</p>		