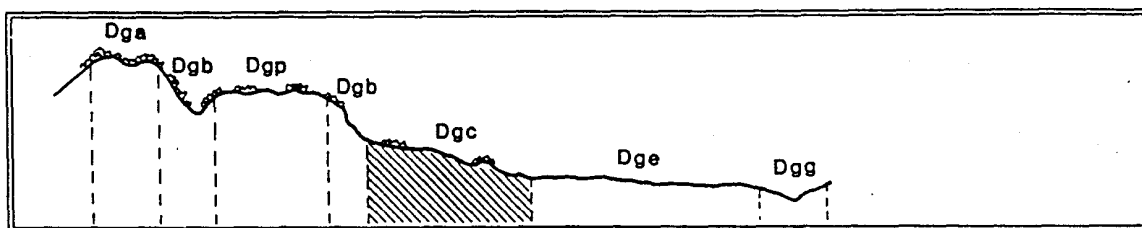


Map Unit:	DEVONIAN GRANITIC MODERATE SLOPES	Map Unit Symbol: Dgc
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General Description:

Moderately steep, forested slopes are characteristic of this map unit. Some clearing has occurred on the lower, gentler slopes, however the deep droughty topsoils and high fertiliser applications required to maintain improved pastures restrict grazing land use to a low level of productivity. Much of the area is State Forest and a wide variety of flora and fauna can be seen.

Site characteristics: Site No. 7

Parent material Age: Lithology:	Devonian Granite/Granodiorite	Depth seasonal watertable:	> 2 m
Landform Pattern: Element:	Rolling hills Moderate slope	Potential recharge to groundwater:	Low
Slope common: range:	20% 10-32%	Flooding risk:	Nil
Rock outcrop:	10-20%	Drainage:	Rapidly drained
		Depth to hardrock:	1.1 m
		Proportion of Shire:	2.8%

Native vegetation: Manna Gum, Messmate
Present land use: Forestry (major), grazing (minor)

Land degradation:	Water erosion		Wind	Salting	Acidification
	Sheet/rill	Gully			
Susceptibility	High	Moderate	High	Very low	Moderate
Incidence	Low	Low	Nil	Nil	Low

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Rapid
Available water capacity:	140 mm H ₂ O
Linear Shrinkage (B horizon):	5.5%

Soil profile description:

A₁	0-9 cm	Very dark greyish brown (10YR 3/2) sandy loam, moderate subangular blocky structure 4 mm, smooth fabric, loose consistence, pH 6.0. Clear transition to
A₂	9-37 cm	Yellowish brown (10YR 5/6) clayey sand, apedal loose, loose consistence, pH 5.8. Clear transition to
B₂₁	37-61 cm	Dark yellowish brown (10YR 4/4) light clay, weak subangular blocky structure 8 mm, smooth fabric, moderately weak consistence, few fine granitic fragments, pH 5.6. Clear transition to
B₂₂	61-109 cm	Strong brown (7.5YR 4/6) light clay, strong angular blocky structure 25 mm, smooth fabric, pH 5.6. Abrupt transition to
C	109 + cm	Parent material, rock.

Soil classification:

Factual Key (Northcote): Dy 2.21
 Australian Soil Classification: Haplic, Dystrophic, Brown, Chromosol, moderate thick, loamy, gravelly
 Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A ₁	6.0	16	VL	M	D	S	S	M	L
A ₂	5.8	7	VL	VL	D	S	T	L	L
B ₂₁	5.6	6	VL	D	D	S	T	L	L
B ₂₂	5.6	6	VL	VL	D	S	T	L	L

VL : Very Low L : Low M : Moderate H: High VH : Very High
 D: Deficient S: Satisfactory T: Toxic ** Acid NA : Not available

Land capability assessment

Land use	Class	Major limiting feature (s)
Agriculture (CTS values)	C ₃ T ₄ S ₄	High susceptibility to sheet/rill erosion, steep slopes
Effluent disposal (septic tanks)	3	Moderate slope
Farm dams (earthen)	4	Moderately steep slopes, shallow depth to hardrock and depth of clay layer, rapid permeability
Building foundations * slab * stumps/footings	4 3	Moderately steep slopes Moderate slopes