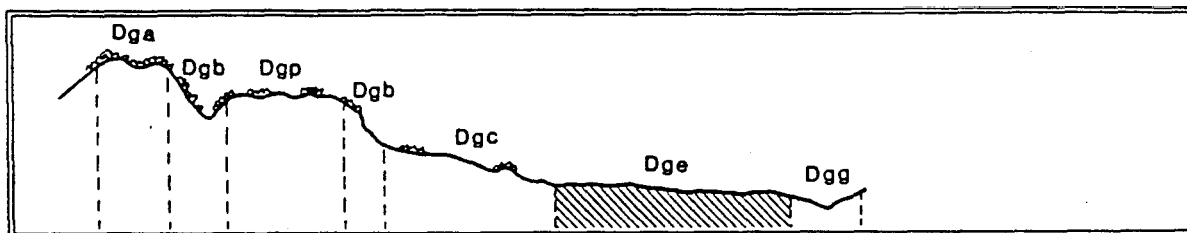


Map Unit:	DEVONIAN GRANITIC GENTLE SLOPE	Map Unit Symbol: Dge
------------------	--------------------------------	-----------------------------



General Description:

The major part of this area in the NE of the Shire, has been cleared and used to graze stock on native pastures. Colluvium from the adjacent steep ridge of metamorphosed sedimentary rock has covered the granite/granodiorite to variable depths and since been dissected to expose, in places, the underlying granitic bed-rock.

Site characteristics: Site No. 32

Parent material Age: Lithology:	Devonian Granodiorite overlain by colluvium	Depth seasonal watertable:	>2 m
Landform Pattern: Element:	Undulating plain Gentle slope	Potential recharge to groundwater:	Very low
Slope common: range:	5% 3-8%	Flooding risk:	Nil
Rock outcrop:		Drainage:	Well drained
		Depth to hardrock:	1.0 – 1.5 m
		Proportion of Shire:	0.5%

Native vegetation: Blackwood, Silver wattle, Red Stringybark
Present land use: Grazing (native pastures), forestry (minor use)

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Slow
Available water capacity:	160 mm H ₂ O
Linear Shrinkage (B horizon):	Low (estimate)

Soil profile description:

A₁	0-15 cm	Dark yellowish brown (10YR 4/4) fine sandy loam, weak subangular blocky structure 2 mm, rough fabric, common ferruginous gravel, pH 5.5. Clear transition to
A₂	15-47 cm	Light yellowish brown (10YR 5/4); bleached (10 YR 7/4 dry) fine sandy loam apedal massive, few quartz and ferruginous gravel, pH 6.0. Clear transition to
B₂₁	47-63 cm	Yellowish brown (10YR 5/6) light clay, moderate angular blocky structure 15 mm, smooth fabric, few quartz and ferruginous gravel, pH 6.0. Clear transition to
B₂₂	63-87+ cm	Light brownish grey (10YR 6/2) light clay, many coarse distinct brown mottles, moderate angular blocky structure, smooth fabric, few quartz gravel pH 5.0.

Soil classification:

Factual Key (Northcote): Dy3.41
 Australian Soil Classification: Bleached-mottled, Dystrophic, Brown, Chromosol moderate, medium, loamy, gravelly
 Unified Soil Group: MH

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A ₁	5.5**	15	VL	L	NA	NA	T	L	L
A ₂	6.0	6	VL	VL	NA	NA	S	VL	L
B ₂₁	6.0	6	VL	VL	NA	NA	S	VL	L
B ₂₂	5.0**	1	VL	VL	NA	NA	T	VL	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 ₃ S ₄	High susceptibility to gully erosion, poor topsoil condition
Effluent disposal (septic tanks)	3	Slow permeability
Farm dams (earthen)	4	Shallow depth to hardrock and depth of clay layer
Building foundations * slab * stumps/footings	2 2	Nil Nil