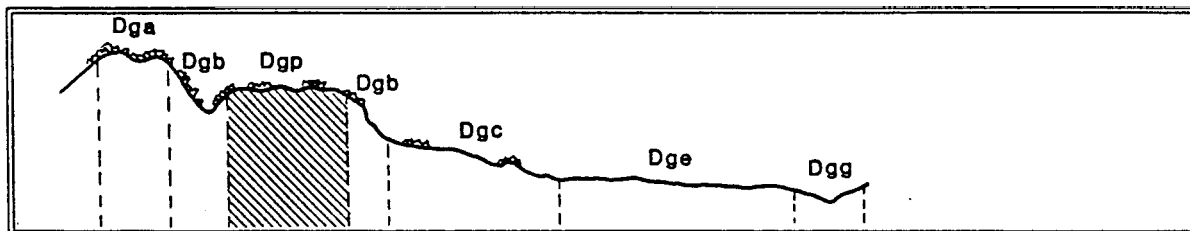


Map Unit:	DEVONIAN GRANITIC PLATEAU	Map Unit Symbol: Dgp
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General Description:

This map unit consists of a broad, gently undulating plateau at the southern end of the granitic Cobaw Batholith. The plateau, at approximately 670 m above sea level, comprises 6% of the Shire. Yellow mottled duplex soils predominate with the occasional gradational soil occurring where the profiles are shallow. The native vegetation is largely undisturbed except for a minor amount of selective logging.

Site characteristics: Site No. 31

Parent material Age: Lithology:	Devonian Granite/Granodiorite	Depth seasonal water table:	>5 m
Landform Pattern: Element:	Rolling hills Plateau	Potential recharge to groundwater:	Low
Slope common: range:	3% 0-8%	Flooding risk:	Nil
Rock outcrop:	15%	Drainage:	Well drained
		Depth to hardrock:	1.0 – 1.5 m
		Proportion of Shire:	0.6%

Native vegetation: Manna Gum, Messmate
Present land use: State Forest, minor selective logging, recreation

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Moderate
Available water capacity:	105 mm H ₂ O
Linear Shrinkage (B horizon):	Low (estimate)

Soil profile description:

A1	0-10 cm	Dark brown (10YR 3/3) coarse sandy loam, apedal massive, weak consistence, common quartz gravel, pH 6.0. Gradual transition to
A2	10-44 cm	Yellowish brown (10YR 5/6) clayey sand, apedal massive, weak consistence, common quartz gravel, pH 6.5. Abrupt transition to
B21	44-54 cm	Brown (10YR 4/6) sandy clay, weak subangular blocky structure, 15 mm, rough fabric, firm consistence, few quartz gravel, pH 6.0. Clear transition to
B22	54-70 + cm	Yellowish brown (10YR 5/6) light clay, common coarse distinct red mottles, weak subangular blocky structure 15 mm, smooth fabric, firm consistence, common quartz gravel pH 6.0.

Soil classification:

Factual Key (Northcote):	Dy 3.21
Australian Soil Classification:	Mottled, Dystrophic, Brown, Chromosol, moderate, thick, sandy, 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	NA	NA	NA	NA	NA	NA	M	L
A ₂	6.5	NA	NA	NA	NA	NA	NA	L	L
B ₂₁	6.0	NA	NA	NA	NA	NA	NA	L	M
B ₂₂	6.0	NA	NA	NA	NA	NA	NA	L	M

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 ₂ S ₄	Poor topsoil condition
Effluent disposal (septic tanks)	2	Nil
Farm dams (earthen)	4	Shallow depth of clay layer and depth to hardrock
Building foundations * slab	3	Moderate stone and boulder content
* stumps/footings	3	Moderate stone and boulder content