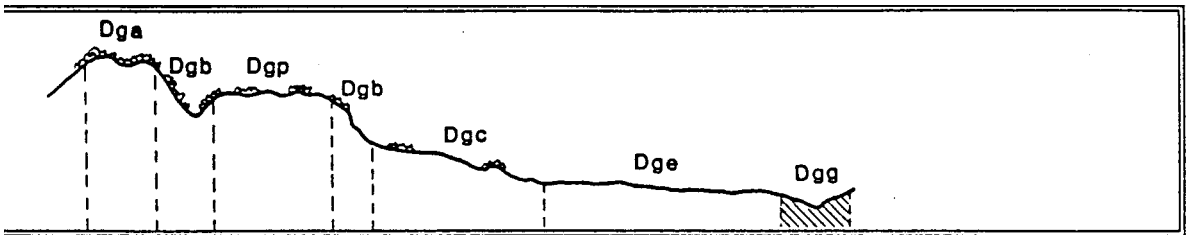
Map Unit:	DEVONIAN GRANITIC DRAINAGE DEPRESSION	Map Unit Symbol: Dgg



General Description:

The drainage depressions in this granitic area are narrow and contain accumulated deposit of alluvium/colluvium. The uniform sand profiles are extremely permeable but because of their position in the landscape are subjected to periodic flooding and high, localised water tables. Land use on any cleared area is restricted to grazing.

Site characteristics: **Site No. 5**

Parent material **Age:** **Lithology:**	 Devonian Granodiorite	**Depth seasonal watertable:**	1.0 m
Landform **Pattern:** **Element:**	 Undulating plain Drainage depression	**Potential recharge to groundwater:**	Nil
Slope **common:** **range:**	 2% 1-4%	**Flooding risk:**	High
Rock outcrop:	0%	**Drainage:**	Moderately well drained
		Depth to hardrock:	> 1.5 m
		Proportion of Shire:	0.1%

Native vegetation: Swamp gum, Black Wattle
Present land use: Grazing

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

Soil profile characteristics:

Permeability (measured - average, range): (estimated):	- Very rapid
Available water capacity:	140 mm H_2O
Linear Shrinkage (B horizon):	Low (estimate)

Soil profile description:

A	0-10 cm	Very dark grey (10YR 3/1) coarse sandy loam, moderate subangular blocky structure 4 mm, rough fabric, very weak consistence, pH 6.0. Clear transition to
AC_1	10-27 cm	Grey (10YR 5/1) coarse sandy loam, apedal massive, moderately weak consistence, pH 6.2. Clear transition to
AC_2	27-86 cm	Greyish brown (10YR 5/2) loamy coarse sand, apedal massive moderately weak consistence, few quartz gravel, pH 6.3. Clear transition to
C	86-150 cm	Brown (10YR 5/3) coarse sand, apedal, massive, weak consistence, pH 6.5.

Soil classification:

Factual Key (Northcote): Uc 1.21
Australian Soil Classification: Arenic Rudosol, deep, thin, loamy, non-gravelly
Unified Soil Group: NA

Interpretation of soil analyses*

Horizon	pH	Gravel	E.C.	Nutrient status	P	K	Al	Org. matter	Dispersibility
A	6.0	3	VL	L	D	S	S	H	L
AC_1	6.2	5	VL	VL	D	D	S	M	L
AC_2	6.3	12	VL	VL	D	D	S	M	L
C	6.5	10	VL	VL	D	D	S	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)	$C_3T_2S_4$	High susceptibility to gully erosion, shallow topsoil
Effluent disposal (septic tanks)	4	High flood risk
Farm dams (earthen)	5	Very shallow depth of clay layer, excessive permeability
Building foundations * slab * stumps/footings	 3 3	 Moderate depth to seasonal water table Moderate depth to seasonal water table