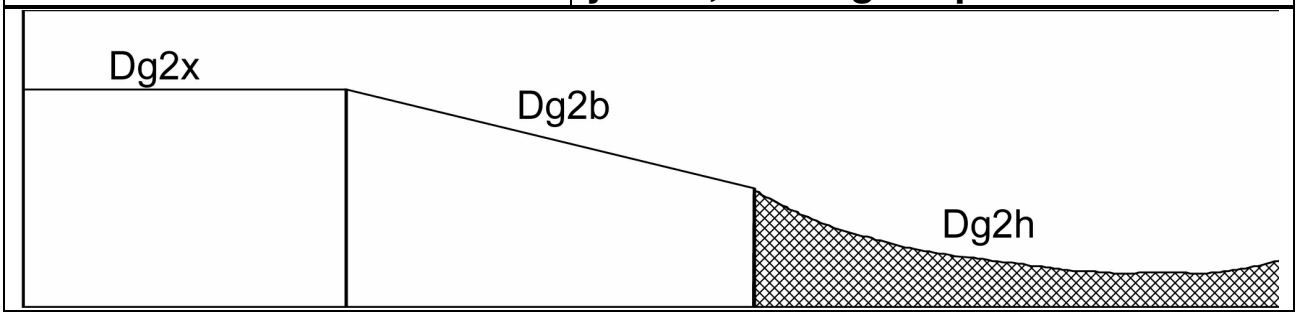
MAP UNIT SYMBOL: **Dg2h** Area: 1 023 ha	MAP UNIT: **Devonian granitic, yellow, drainage depression**



A. GENERAL DESCRIPTION

The soils of this unit are only found on the granite mainly on the rolling low hills. As with all drainage depressions, the soils are variable. The major soil type is a yellow duplex with a whole coloured subsoil.

SITE CHARACTERISTICS

Parent Material Age:	Devonian	**Depth to Seas. Watertable:**	>2.0 m
Parent Material Lithology:	Granite	**Flooding Risk:**	High
Landform Pattern:	Rolling low hills	**Drainage:**	Poorly drained
Landform Element:	Drainage depression	**Rock Outcrop:**	2-10%
Slope a) common:	20%	**Depth to Hard Rock:**	>1 m
		Present Land Use:	Grazing, forested
Slope b) range:	11-32%		

Potential Recharge to Groundwater: Low

Major Native Vegetation Species: Narrow-leaved Peppermint, Messmate, Manna Gum

LAND DEGRADATION

Land Degradation	Water Erosion		Wind Erosion	Mass Movement	Salting	Acidification
	sheet/rill	gully				
Susceptibility	Mod-high	Moderate	Moderate	Moderate	Very low	Low
Incidence	Low	Low	Nil	Nil	Nil	Not available

B. SOIL PROFILE

PROFILE DESCRIPTION

A1 0-170 mm — Black (10YR2/1) clay loam with coarse sand, moderate subangular blocky structure, rough fabric, pH 5.75. Clear transition to:

B21 170-345 mm — Dark grey (10YR4/1) medium clay with coarse sand, moderate subangular blocky structure, rough fabric, pH 5.75. Clear transition to:

B22 345-630 mm — Greyish brown (10YR5/2) sandy clay, moderate subangular blocky structure, rough fabric, pH 6.0. Clear transition to:

B23 630-730 mm+ — Dark greyish brown (10YR4/2) sandy clay, moderate subangular blocky structure, rough fabric, pH 6.0.

CLASSIFICATION

Factual Key:	Dy2.11
Australian Soil Classification:	Haplic, ?, Grey Chromosol: (confidence level 4); medium, non-gravely, clay loamy/clayey, deep
Unified Soil Group:	CH

INTERPRETATION OF LABORATORY ANALYSIS*

Horizon	pH (H_2O)	% Gravel	E.C. (salts)	Nutrient Status	P	K	Al	Organic matter	Dispersibility
A1	5.75	<1	VL	NA	NA	NA	NA	H	NA
B21	5.75	<1	VL	NA	NA	NA	NA	M	NA
B22	6.0	<1	VL	NA	NA	NA	NA	L	NA
B23	6.0	<1	VL	NA	NA	NA	NA	L	NA

VL: Very Low L: Low M: Moderate H: High VH: Very High D: Deficient S: Satisfactory
T: Potentially Toxic NA: Not Available * see appendix D for analytical results ** Strongly Acidic

SOIL PROFILE CHARACTERISTICS:

Permeability: Very slow (estimate)
Available Water Capacity: Moderate (117 mm H_2O)
Linear Shrinkage (B horizon): Low (estimate)

C. LAND CAPABILITY ASSESSMENT

Land Use	Class	Major Limiting Feature(s)/Land Use
Agriculture	C_2 T_4 S_4	Slope, susceptibility to sheet and rill erosion
Effluent Disposal (septic tanks)	5	Flood risk, drainage, permeability
Farm Dams	5	Slope
Building Foundations		
slab	5	Drainage, flood risk
stumps/footings	5	Drainage, flood risk