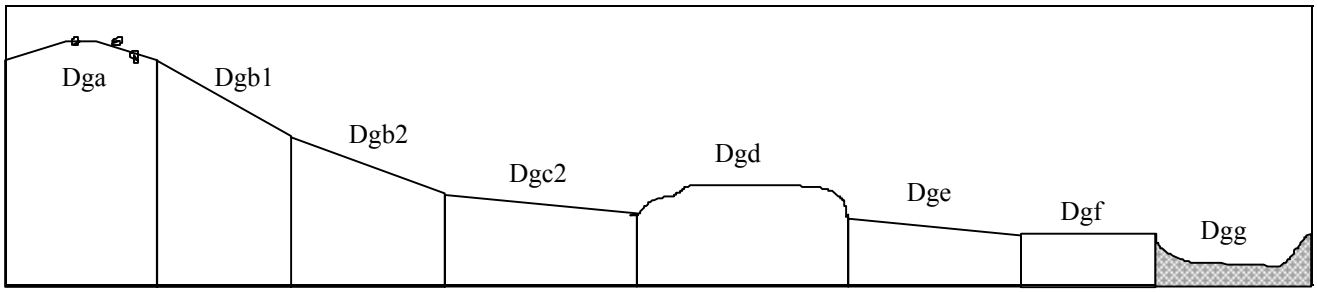
Land Unit:	Devonian granodiorite, drainage depressions	**Land Unit symbol:**	Dgg
		% of study area:	<0.1



General Description:

Surface and sub-surface runoff from the granitic hill to the north-east of Buxton has produced a series of drainage depressions (many of them are too small to map) radiating out across the lower slopes to Cerberus Creek and the Steavenson and Acheron Rivers. These drainage depressions do not have a permanent flow but the soil profile does remain moist for most of the year. During the wetter months they become untrafficable.

Site characteristics: Site No. -

Parent material		Depth to seasonal watertable:	0 - 1 m
Age:	Devonian		
Lithology:	Granodiorite	Potential recharge to groundwater:	Low
Landform		Flooding risk:	High
Pattern:	Undulating rises	Drainage:	Imperfectly drained
Element:	Drainage depression	Depth to hardrock:	Variable, usually > 1 m
Slope		Rock outcrop:	1%
Common:	4%	Annual rainfall:	1090 mm
Range:	2 - 10%		
Native vegetation:	Swamp Gum, Blackwood		
Present land use:	Cleared; native and introduced pastures for sheep and cattle		

Land degradation:

Degradation process	Water erosion Sheet/rill	Water erosion Gully	Wind erosion	Salting	Acidification
Susceptibility	Moderate	High	Moderate	Low	High
Incidence	Low	Low	Nil	Nil	Moderate

Soil profile characteristics:

Permeability	(measured - average, range):	-
	(estimated):	Low
Available water capacity:		200 mm H_2O (est.)
Linear Shrinkage (B horizon):		15% (est.)

Soil profile description:

Land Unit symbol: Dgg

Similar to the soil profiles of Dgc, Dge and Dgf depending on the position of the drainage depression in this granitic landscape.

Soil classification:

Factual Key (Northcote, 1979):
Australian Soil Classification (Isbell, 1992):
Unified Soil Group:

Interpretation of soil analyses: Not available

Horizon	pH	Gravel %	E.C. (salts)	Nutrient status	P	K	Al	Organic matter	Dispersibility
				No soil analyses done					

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

Land capability ratings and limitations for specific land uses:

Land use	Rating	Major limiting factor(s)
Agriculture	$C_3T_3S_5$	Seasonal water table < 1 metre and surface water flow during the winter-spring period
Building foundations - slab - stumps/footings	 5 5	Depth to seasonal water table < 1 metre, seasonal overland water flow
Effluent disposal (septic tanks)	5	Seasonal overland water flow, imperfect drainage, depth to water table < 1 metre
Farm dams	5	Depth to seasonal water table < 1 metre shallow soils
Residential - rural - urban	5 5	Very low capability for effluent disposal, secondary roads and farm dams Very low capability for secondary roads
Scenic value	3	-
Secondary roads	5	A water table occurs at < 0.5 metre during the wetter months, highly susceptible to seasonal flooding imperfect drainage