

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1144 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

**Desc. By:** Rogers, Gary  
**Date Desc.:** 01/06/92  
**Map Ref.:** Sheet No. : 8058 GPS  
**Northing/Long.:** 7840822 AMG zone: 55  
**Easting/Lat.:** 357889 Datum: AGD66  
**Locality:**  
**Elevation:** 400 metres  
**Rainfall:** No Data  
**Runoff:** No Data  
**Drainage:** No Data

#### Geology

**ExposureType:** No Data  
**Geol. Ref.:** No Data  
**Conf. Sub. is Parent. Mat.:** No Data  
**Substrate Material:** Undisturbed soil core, Granodiorite

#### Land Form

**Rel/Slope Class:** Rolling low hills 30-90m 10-  
**Morph. Type:** Upper-slope  
**Elem. Type:** Hillcrest  
**Slope:** 14 %  
**Pattern Type:** Hills  
**Relief:** No Data  
**Slope Category:** Moderately inclined  
**Aspect:** No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

**Australian Soil Classification:**  
Haplic Mesotrophic Red Chromosol Thick Moderately gravelly  
Sandy Clayey Moderately deep  
**Mapping Unit:** N/A  
**Principal Profile Form:** Dr2.52

**ASC Confidence:**  
No analytical data are available but confidence is fair.  
**Great Soil Group:** Non-calciic brown soil

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Aristida species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus peltata, Alphitonia species

Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus peltata

**Surface Coarse Fragments:** 20-50%, fine gravelly, 2-6mm, angular, Quartz

#### Profile Morphology

A11	0 - 0.08 m	Dark grey (10YR4/1-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.08 - 0.4 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B2	0.4 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Light medium clay; Weak grade of structure, 2-5 mm, Polyhedral; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6);
C	0.6 - 0.7 m	; , Calcareous, , ; , Gypseous, , ;

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC		ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile