

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1285 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/07/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7869850 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	354591 Datum: AGD66	Drainage:	Well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Rolling rises 9-30m 10-32%	Pattern Type:	No Data
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	No Data	Slope Category:	Moderately inclined
Slope:	12 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Thick Non-gravelly Loamy Clayey Moderately deep		Principal Profile Form:	Dr2.22
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	Non-calcic 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 - Themeda triandra, Heteropogon contortus, Dichanthium species Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus erythrophloia

Surface Coarse Fragments: 50-90%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified)

Profile Morphology

A11	0 - 0.2 m	Very dark grey (5YR3/1-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.2 - 0.35 m	Reddish brown (5YR4/4-Moist); ; Sandy loam (Heavy); Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; 50-90%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Clear change to -
B2	0.35 - 0.8 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; 50-90%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.55); Gradual change to -
C	0.8 - 1.3 m	; 50-90%, coarse gravelly, 20-60mm, angular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.1);

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	%
0 - 0.2	6.7A							
0.2 - 0.35	6.9A							
0.35 - 0.8	6.9A							
0.8 - 1.3	7A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension