

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1323 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	05/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7886946 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	367082 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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 low hills 30-90m 10-	Pattern Type:	Low hills
Morph. Type:	Ridge	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	Moderately inclined
Slope:	10 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Red Chromosol Medium Very gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Dr3.12
ASC Confidence:	Great Soil Group:	Non-calcic brown soil
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Themeda triandra, Dichanthium species, Heteropogon contortus
Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, Grevillea parallela

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, subangular,

Profile Morphology

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Abrupt change to -
A12	0.1 - 0.16 m	Dark yellowish brown (10YR4/4-Moist); ; Clay loam, sandy (Heavy); Massive grade of structure; Earthy fabric; 2-10%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.15); Abrupt change to -
B21	0.16 - 0.45 m	Yellowish red (5YR4/6-Moist); Mottles, 10-20% , Faint; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.3); Clear change to -
B22	0.45 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.5); Gradual change to -
B3	0.6 - 1.3 m	Dark yellowish brown (10YR4/6-Moist); Mottles, 2-10% , Distinct; Mottles, 2-10% ; Clay loam; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

Depth m 0 - 0.1 0.16 - 0.45 0.6 - 1.3	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		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

4A1 pH of 1:5 soil/water suspension