

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2240 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7889192 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	299649 Datum: AGD66	Drainage:	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Rises
Morph. Type:	Crest	Relief:	No Data
Elem. Type:	Hillcrest	Slope Category:	Gently inclined
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Eutrophic Red Chromosol Medium Gravelly Clay-loamy Clayey Deep		Principal Profile Form:	Dr3.13
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Bothriochloa decipiens, Unknown species,
Unknown species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Hakea species, Acacia species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Casuarina species, Eucalyptus papuana

Surface Coarse Fragments: 10-20%, cobbly, 60-200mm, angular, Jasper

Profile Morphology

A11	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 20-50%, coarse gravelly, 20-60mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.04); Clear change to -
A12	0.08 - 0.2 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 50-90%, coarse gravelly, 20-60mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.6 m	Red (2.5YR4/6-Moist); Mottles, 2.5Y56, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.6 - 1.1 m	Light olive brown (2.5Y5/6-Moist); Mottles, 2.5YR46, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.8); Gradual change to -
BC	1.1 - 1.2 m	Olive yellow (2.5Y6/6-Moist); ; Moderate grade of structure, 5-10 mm, Subangular blocky; Very firm consistence; 50-90%, medium gravelly, 6-20mm, angular platy, Slate, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 1.2);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

Depth	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		
m		g/g - m3/m3							mm/h	mm/h
0.00	0.00	100	100	100	100	100	100	100	0.00	0.00
0.05	0.00	100	100	100	100	100	100	100	0.00	0.00
0.10	0.00	100	100	100	100	100	100	100	0.00	0.00
0.15	0.00	100	100	100	100	100	100	100	0.00	0.00
0.20	0.00	100	100	100	100	100	100	100	0.00	0.00
0.25	0.00	100	100	100	100	100	100	100	0.00	0.00
0.30	0.00	100	100	100	100	100	100	100	0.00	0.00
0.35	0.00	100	100	100	100	100	100	100	0.00	0.00
0.40	0.00	100	100	100	100	100	100	100	0.00	0.00
0.45	0.00	100	100	100	100	100	100	100	0.00	0.00
0.50	0.00	100	100	100	100	100	100	100	0.00	0.00
0.55	0.00	100	100	100	100	100	100	100	0.00	0.00
0.60	0.00	100	100	100	100	100	100	100	0.00	0.00
0.65	0.00	100	100	100	100	100	100	100	0.00	0.00
0.70	0.00	100	100	100	100	100	100	100	0.00	0.00
0.75	0.00	100	100	100	100	100	100	100	0.00	0.00
0.80	0.00	100	100	100	100	100	100	100	0.00	0.00
0.85	0.00	100	100	100	100	100	100	100	0.00	0.00
0.90	0.00	100	100	100	100	100	100	100	0.00	0.00
0.95	0.00	100	100	100	100	100	100	100	0.00	0.00
1.00	0.00	100	100	100	100	100	100	100	0.00	0.00
1.05	0.00	100	100	100	100	100	100	100	0.00	0.00
1.10	0.00	100	100	100	100	100	100	100	0.00	0.00
1.15	0.00	100	100	100	100	100	100	100	0.00	0.00
1.20	0.00	100	100	100	100	100	100	100	0.00	0.00
1.25	0.00	100	100	100	100	100	100	100	0.00	0.00
1.30	0.00	100	100	100	100	100	100	100	0.00	0.00
1.35	0.00	100	100	100	100	100	100	100	0.00	0.00
1.40	0.00	100	100	100	100	100	100	100	0.00	0.00
1.45	0.00	100	100	100	100	100	100	100	0.00	0.00
1.50	0.00	100	100	100	100	100	100	100	0.00	0.00
1.55	0.00	100	100	100	100	100	100	100	0.00	0.00
1.60	0.00	100	100	100	100	100	100	100	0.00	0.00
1.65	0.00	100	100	100	100	100	100	100	0.00	0.00
1.70	0.00	100	100	100	100	100	100	100	0.00	0.00
1.75	0.00	100	100							

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Laboratory Analyses Completed for this profile