

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1109 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/05/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7820179 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	382161 Datum: AGD66	Drainage:	Imperfectly 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:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Drainage depression	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Ferrosol Thick Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.21
ASC Confidence:	Great Soil Group:	Xanthozem

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, Mid-dense. *Species includes - Bothriochloa ewartiana, Dichanthium species

Mid Strata - , , . *Species includes - None recorded

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

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, rounded, Basalt

Profile Morphology

A1	0 - 0.17 m	Dark brown (7.5YR3/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to -
A3	0.17 - 0.45 m	Dark brown (7.5YR3/4-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Clear change to -
B21	0.45 - 0.6 m	Dark brown (10YR3/3-Moist); ; Medium clay (Heavy); Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible]

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 - 0.17										
0.17 - 0.45										
0.45 - 0.6										

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension