

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1147 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	02/06/92	Elevation:	380 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7802325 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	353861 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:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Manganic Eutrophic Brown Ferrosol Medium Slightly gravelly Clayey Clayey Moderately deep	Principal Profile Form:	Uf6.53
ASC Confidence:	Great Soil Group:	Brown clay

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, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa ewartiana, Heteropogon contortus,
Phynchelytrum repens Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus

Surface Coarse Fragments: 2-10%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A1	0 - 0.1 m	Dark reddish brown (5YR3/3-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.1 - 0.3 m	Olive brown (2.5Y3/3-Moist); ; Fine sandy light clay (Heavy); Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Clear change to -
B3	0.3 - 0.8 m	Dark yellowish brown (10YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 50-90%, medium gravelly, 6-20mm, subrounded, coarse fragments; Very many (50 - 100 %), 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:

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

0 - 0.1	6.4A
0.1 - 0.3	6.3A
0.3 - 0.8	6.3A

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

0 - 0.1
0.1 - 0.3
0.3 - 0.8

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 - 0.1
0.1 - 0.3
0.3 - 0.8

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension