

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2428 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	12/01/94	Elevation:	No Data
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7800689 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	414978 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:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Epipedal Black Vertosol Slightly gravelly	Principal Profile Form:	Ug5.16
Medium fine Very fine Deep		
ASC Confidence:	Great Soil Group:	Black earth
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, Sparse. *Species includes - Bothriochloa ewartiana, Bothriochloa decipiens,

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

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, , subangular, Quartz

Profile Morphology

A1	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Sandy light clay; Moist; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.75 m	Very dark grey (10YR3/1-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Rigid consistence; 2-10%, coarse gravelly, 20-60mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 7.5 (Raupach, 0.6); Gradual change to -
B22	0.75 - 1.2 m	Brown (10YR5/3-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated; , Manganiferous, Fine (0 - 2 mm), Soft segregations; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.2);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

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

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

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

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Laboratory Analyses Completed for this profile