

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2430 **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.:	7799570 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	417160 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, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Alluvial plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Terrace flat	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Sodic Eutrophic Black Dermosol Thick Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Dd3.32
ASC Confidence:	Great Soil Group:	Brown earth

Analytical data are incomplete but reasonable confidence.

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, Chrysopogon fallax,
Dichanthium species Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus species, Atalaya hemiglauca, Pleiogyneum cerasiferum
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.2 m	Very dark grey (10YR3/1-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Moist; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
A2e	0.2 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Moderately moist; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.9 m	Very dark grey (10YR3/1-Moist); ; Fine sandy light medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6); Gradual change to -
B22	0.9 - 1.2 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 1.1);

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