

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2158 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	03/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8154 GPS	Rainfall:	No Data
Northing/Long.:	7616954 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	447886 Datum: AGD66	Drainage:	Moderately well drained

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Eutrophic Mottled-Subnatic Red Sodosol		Principal Profile Form:	Dr3.43
ASC Confidence:		Great Soil Group:	Solodic soil

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, <0.25m, Isolated plants. *Species includes - None recorded
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus normantonensis, Eucalyptus thozetiana

Surface Coarse Fragments: 90-100%, coarse gravelly, 20-60mm, subangular, Ironstone

Profile Morphology

A11	0 - 0.07 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 50-90%, medium gravelly, 6-20mm, subangular, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to -
A2e	0.07 - 0.12 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 50-90%, medium gravelly, 6-20mm, subangular, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Abrupt change to -
B21	0.12 - 0.3 m	Yellowish red (5YR4/6-Moist); ; Sandy light medium clay; Smooth-ped fabric; Dry; Strong consistence; 50-90%, coarse gravelly, 20-60mm, subangular, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.25); Gradual change to -
B22	0.3 - 0.8 m	Strong brown (7.5YR4/6-Moist); Mottles, 10YR71; Mottles; Sandy light medium clay; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.7); Gradual change to -
B23	0.8 - 1.2 m	Brown (7.5YR4/4-Moist); ; Sandy light medium clay; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 9 (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