

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2170 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	05/08/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7670454 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	440328 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	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:	No Data
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Calcic Brown Dermosol		Principal Profile Form:	Db1.33
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, 0.26-0.5m, Sparse. *Species includes - None recorded
 Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eremophila mitchellii, Acacia argyrodendron
 Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Acacia argyrodendron, Eucalyptus cambageana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.16 m	Very dark brown (10YR2/2-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Abrupt change to -
A2j	0.16 - 0.18 m	Brown (10YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.17); Abrupt change to -
B21	0.18 - 0.32 m	Dark brown (7.5YR3/3-Moist); ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.25); Gradual change to -
B22	0.32 - 0.65 m	Dark brown (10YR3/3-Moist); ; Sandy light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.5);
B23	0.65 - 0.9 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy light medium clay; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 9 (Raupach, 0.8);
B24	0.9 - 1.2 m	Dark brown (7.5YR3/4-Moist); ; Sandy light medium clay; Dry; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , Soil matrix is Slightly calcareous; Field pH 9 (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