

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2037 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/06/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8055 GPS	Rainfall:	No Data
Northing/Long.:	7648216 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	445908 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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting, Poached

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Hypocalcic Subnatric Red Sodosol Medium Non-gravelly Loamy Clayey Deep	Principal Profile Form:	Dr2.23
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 - , , . *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Lysiphillum carronii, Eremophila mitchellii
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Acacia argyrodendron, Eucalyptus cambageana

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A12	0.05 - 0.13 m	Strong brown (7.5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Abrupt change to -
B21	0.13 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Sandy light clay; Moderate grade of structure; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.3); Gradual change to -
B22	0.4 - 0.65 m	Yellowish red (5YR4/6-Moist); ; Sandy light medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.5);
B3	0.65 - 1.5 m	Dark yellowish brown (10YR4/6-Moist); ; , Calcareous, , , , Gypseous, , ; Soil matrix is Very highly 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	CEC	ECEC		ESP		
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile