

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2249 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	22/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7886743 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	335193 Datum: AGD66	Drainage:	Moderately well 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:	Flat	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:	Sodic Hypercalcic Brown Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Mapping Unit:	N/A
		Principal Profile Form:	Db2.13
ASC Confidence:	No analytical data are available but confidence is fair.	Great Soil Group:	No suitable

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Themeda triandra, Unknown species, Unknown
species Mid Strata - Shrub, 1.01-3m, Very sparse. *Species includes - Eremophila mitchellii, Eucalyptus brownii

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Clay loam, fine sandy; Moderate grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Abrupt change to -
B21	0.1 - 0.27 m	Dark yellowish brown (10YR3/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
B22	0.27 - 0.42 m	Dark brown (7.5YR3/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 0.3); Clear change to -
B3	0.42 - 0.65 m	Reddish brown (2.5YR4/4-Moist); Mottles, 7.5YR4/6, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 20-50%, medium gravelly, 6-20mm, angular, Metamorphic rock (unidentified), coarse fragments; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Field pH 9 (Raupach, 0.6); Gradual change to -
C	0.65 - 1 m	Brown (10YR5/3-Moist); ; Sandy loam; Dry; , Calcareous, , , , Gypseous, , ;

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
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
					g/g -	m3/m3			mm/h

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Laboratory Analyses Completed for this profile