

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2234 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	20/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7937 GPS	Rainfall:	No Data
Northing/Long.:	7874614 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	293939 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:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Mottled Eutrophic Brown Dermosol Medium Non-gravelly Silty Clayey Deep	Principal Profile Form:	Gn3.35
ASC Confidence:	Great Soil Group:	No suitable

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, Very sparse. *Species includes - Unknown species, Unknown species, Unknown species
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Very dark greyish brown (2.5Y3/2-Moist); ; Silty clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.04); Clear change to -
A2e	0.08 - 0.22 m	Light brownish grey (10YR6/2-Moist); ; Silty light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5 (Raupach, 0.15); Abrupt change to -
B21	0.22 - 0.65 m	Dark greyish brown (2.5Y4/3-Moist); Mottles, 7.5YR4/4, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.5); Diffuse change to -
B22	0.65 - 1.4 m	Olive brown (2.5Y4/4-Moist); Mottles, 2.5Y3/2, 10-20% , 0-5mm, Faint; Mottles, 10-20% ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 1);

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	Acidity					%
						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