

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1615 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	02/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7856100 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	326518 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, Siltstone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	Mid-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Eutrophic Brown Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	Principal Profile Form:	Gn3.62
ASC Confidence:	Great Soil Group:	No suitable group

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 - Chrysopogon fallax, Themeda triandra
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus persistens, Eremophila mitchellii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus persistens

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular,

Profile Morphology

A1	0 - 0.12 m	Yellowish brown (10YR5/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.12 - 0.28 m	Greyish brown (2.5Y5/3-Moist); ; Silty clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, subangular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.2); Abrupt change to -
B2	0.28 - 0.55 m	Strong brown (7.5YR4/6-Moist); Mottles, 5Y53, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Silty light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm ²) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; 50-90%, medium gravelly, 6-20mm, subangular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Gradual change to -
C	0.55 - 1 m	Olive grey (5Y5/2-Moist); ; Massive grade of structure; Dry; Strong consistence; 90-100%, medium gravelly, 6-20mm, subangular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.95);

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	Size CS	Analysis FS	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