

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2138 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Barry, Earl	Locality:	
Date Desc.:	19/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7879247 AMG zone: 55	Runoff:	Rapid
Easting/Lat.:	309783 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, Shale

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	Pattern Type:	Plain
Morph. Type:	No Data	Relief:	No Data
Elem. Type:	Pediment	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Bleached Eutrophic Red Dermosol		Principal Profile Form:	Gn3.18
ASC Confidence:		Great Soil Group:	No suitable group

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - None recorded
 Mid Strata - , , . *Species includes - None recorded
 Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus persistens

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, subangular platy, Shale

Profile Morphology

A11	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 10-20%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2e	0.15 - 0.3 m	Dark greyish brown (2.5Y4/3-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to -
B1	0.3 - 0.58 m	Light olive brown (2.5Y5/4-Moist); Mottles, 7.5YR46, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5); Gradual change to -
B21	0.58 - 1 m	Red (2.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 10-20%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.8); Gradual change to -
B22	1 - 1.4 m	Strong brown (7.5YR4/6-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 20-50%, coarse gravelly, 20-60mm, subangular platy, Shale, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (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	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