

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1965 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	04/10/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7857 GPS	Rainfall:	No Data
Northing/Long.:	7754368 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	279513 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, 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:	Mapping Unit:	N/A
Mottled Eutrophic Black Dermosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn3.43
ASC Confidence:	Great Soil Group:	Soloth

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - None recorded
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Fine sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
B21	0.1 - 0.4 m	Very dark grey (10YR3/1-Moist); ; Fine sandy light clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
B22	0.4 - 0.9 m	Very dark grey (10YR3/1-Moist); ; Fine sandy light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); Clear change to -
B23	0.9 - 1.1 m	Dark greyish brown (2.5Y4/3-Moist); , 10YR56; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.1);

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 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