

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2259 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 24/08/93	Elevation: No Data
Map Ref.: Sheet No. : 7859 GPS	Rainfall: No Data
Northing/Long.: 7889699 AMG zone: 55	Runoff: Moderately rapid
Easting/Lat.: 271842 Datum: AGD66	Drainage: Poorly 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): Surface crust, Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Supracalcic Brown Dermosol Thin Non-gravelly Clayey Clayey Deep	Principal Profile Form: Uf6.31
ASC Confidence:	Great Soil Group: No suitable

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, Sparse. *Species includes - None recorded
 Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus papuana, Grevillea species,

Lysiphillum carronii

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.04); Clear change to -
B21	0.08 - 0.33 m	Dark brown (10YR3/3-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.2); Gradual change to -
B22	0.33 - 0.7 m	Dark yellowish brown (10YR3/4-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.6);
B23	0.7 - 1.4 m	Dark yellowish brown (10YR3/4-Moist); ; Medium heavy clay; Dry; , Calcareous, , , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 9 (Raupach, 1);

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
		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