

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1970 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 05/10/93	Elevation: No Data
Map Ref.: Sheet No. : 7857 GPS	Rainfall: No Data
Northing/Long.: 7780145 AMG zone: 55	Runoff: Slow
Easting/Lat.: 275000 Datum: AGD66	Drainage: Well 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): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Red Ferrosol Thin Non-gravelly Clayey Clayey Deep	Principal Profile Form: Uf6.31
ASC Confidence:	Great Soil Group: Euchrozem

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, 0.51-1m, Sparse. *Species includes - Themeda triandra, Heteropogon contortus
 Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus organophylla
 Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus coolibah,

Brachychiton

populneus

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Dark reddish brown (2.5YR3/3-Moist); ; Light clay (Light); Moderate grade of structure, 10-20 mm, Platy; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Clear change to -
B1	0.04 - 0.18 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
B21	0.18 - 0.52 m	Dark reddish brown (2.5YR2/3-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, subrounded, Basalt, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.4);
BC	0.52 - 1.4 m	Brown (7.5YR4/4-Moist); ; Clay loam; Dry; , Calcareous, , , Gypseous, , ; Field pH 7 (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 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