

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2034 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 22/06/93	Elevation: No Data
Map Ref.: Sheet No. : 8255 GPS	Rainfall: No Data
Northing/Long.: 7646686 AMG zone: 55	Runoff: Rapid
Easting/Lat.: 460612 Datum: AGD66	Drainage: Imperfectly drained

Geology

ExposureType: No Data	Conf. Sub. is Parent. Mat.: No Data
Geol. Ref.: No Data	Substrate Material: Undisturbed soil core, Mudstone

Land Form

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

Surface Soil Condition (dry): Hardsetting, Cryptogam surface

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Haplic Eutrophic Brown Chromosol Medium Slightly gravelly Clay-loamy Clayey Deep	Principal Profile Form: Dy2.23
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, <0.25m, Very sparse. *Species includes - None recorded
 Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Lysiphillum carronii, Acacia argyrodendron
 Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone

Profile Morphology

A11	0 - 0.12 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam, sandy; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Abrupt change to -
A12	0.12 - 0.28 m	Brown (7.5YR4/4-Moist); Mottles, 2.5YR48, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Clay loam, sandy (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Sandstone, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B21	0.28 - 0.42 m	Red (2.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.35); Clear change to -
B22	0.42 - 0.7 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 0.6); Gradual change to -
B23	0.7 - 1.2 m	Yellowish brown (10YR5/8-Moist); ; Medium clay (Light); Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Laminae; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 1.1);

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