

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1825 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	27/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7644271 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	486434 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Existing vertical exposure, 55 m deep, Sandstone

Land Form

Rel/Slope Class:	No Data	Pattern Type:	Low hills
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	4 %	Aspect:	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Eutrophic Subnatric Grey Sodosol Medium Gravelly Silty Clayey Moderately deep	Principal Profile Form:	Dy2.33
ASC Confidence:	Great Soil Group:	Solodic soil

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - , , . *Species includes - None recorded
Mid Strata - , , . *Species includes - Acacia argyrodendron
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm, angular platy, Sandstone

Profile Morphology

A11	0 - 0.04 m	Brown (10YR4/3-Moist); ; Silty clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.03);
A12	0.04 - 0.15 m	Dark yellowish brown (10YR4/4-Moist); ; Silty clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1);
A2j	0.15 - 0.2 m	Dark yellowish brown (10YR4/4-Moist); ; Silty clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2);
B21	0.2 - 0.55 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Columnar; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; 10-20%, fine gravelly, 2-6mm, angular platy, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.4);
BC	0.55 - 0.6 m	; Dry; 20-50%, medium gravelly, 6-20mm, angular platy, dispersed, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.6);

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