

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1822 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	26/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8255 GPS	Rainfall:	No Data
Northing/Long.:	7652530 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	478789 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Self-Mulching Black Vertosol Slightly gravelly Fine	Principal Profile Form:	Ug5.12
Medium fine Moderately deep	Great Soil Group:	Grey clay

ASC Confidence:
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 - Terminalia oblongata, Acacia harpophylla
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, rounded, Quartz

Profile Morphology

A11	0 - 0.01 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Massive grade of structure; Smooth-ped fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.01);
A12	0.01 - 0.1 m	Dark grey (10YR4/1-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.08);
B21	0.1 - 0.35 m	Very dark grey (2.5Y3/1-Moist); ; Medium clay; Strong grade of structure; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.2);
B22	0.35 - 1 m	Black (2.5Y2/1-Moist); ; Medium clay; Strong grade of structure; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.7);
BC	1 - 1.1 m	Grey (2.5Y5/1-Moist); ; Sandy medium clay; Massive grade of structure; Moderately moist; Strong consistence; , 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	Acidity					%
						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	
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