

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 838 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	23/10/91	Elevation:	270 metres
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7685180 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	401624 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	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:	Level plain <9m <1%	Pattern Type:	Alluvial 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 Grey Vertosol Non-gravelly Medium fine	Principal Profile Form:	Ug5.24
Very fine Moderately deep	Great Soil Group:	Grey clay

ASC Confidence:

No analytical data are available but confidence is fair.

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation:

Low Strata - , , . *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Lysiphillum carronii, Eremophila mitchellii, Eucalyptus

brownii

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ;
A12	0.03 - 0.3 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05);
B21	0.3 - 0.5 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.5);

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