

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 845 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	24/10/91	Elevation:	No Data
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7688632 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415646 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	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:	Gently inclined
Slope:	2 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Mottled Self-Mulching Grey Vertosol Non-gravelly Medium fine Very fine Deep		Principal Profile Form:	Ug5.24
ASC Confidence:		Great Soil Group:	Grey clay

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - , , . *Species includes - Dichanthium species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.03 m	Greyish brown (10YR5/2-Moist); ; Medium clay; Moderate grade of structure, 2-5 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Abrupt change to -
A12	0.03 - 0.22 m	Dark greyish brown (10YR4/2-Moist); ; Medium heavy clay; Weak grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.05); Clear change to -
B21	0.22 - 0.6 m	Dark grey (2.5Y4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.3); Gradual change to -
B22	0.6 - 0.95 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.9); Gradual change to -
B23	0.95 - 1.1 m	Light olive brown (2.5Y5/4-Moist); Mechanical, 2.5Y42, 10-20% , 5-15mm, Prominent; Mechanical, 10-20% ; Medium heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (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