

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2287 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	03/11/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7959 GPS	Rainfall:	No Data
Northing/Long.:	7860130 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	326648 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:	%	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol Non-gravelly	Principal Profile Form:	Ug5.15
Fine Very fine Very deep	Great Soil Group:	Black earth

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 - Tussock grass, 1.01-3m, Sparse. *Species includes - Bothriochloa species, Dichanthium species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Atalaya hemiglauca

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular, Basalt

Profile Morphology

A11	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Granular; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.02);
A12	0.03 - 0.4 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Strong grade of structure, 50-100 mm, Angular blocky; Strong grade of structure, 10-20 mm; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 8 (Raupach, 0.3);
B21	0.4 - 1.2 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , Field pH 8.5 (Raupach, 1);
B22	1.2 - 1.9 m	Brown (7.5YR4/3-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, faint; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.8);

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	
		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