

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 751 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	20/09/91	Elevation:	310 metres
Map Ref.:	Sheet No. : 8158 GPS	Rainfall:	No Data
Northing/Long.:	7808432 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	401324 Datum: AGD66	Drainage:	Imperfectly drained

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): Surface crust, Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Epipedal Black Vertosol Slightly gravelly Medium fine Very fine Deep		Principal Profile Form:	Ug5.1
ASC Confidence:		Great Soil Group:	Black earth

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, 0.51-1m, Closed or dense. *Species includes - Dichanthium sericeum, Chloris gayana,
Ophiurus exaltatus Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Angophora species
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 2-10%, stony, 200-600mm, subangular, Basalt

Profile Morphology

A	0 - 0.08 m	; Medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.05);
B21	0.08 - 0.8 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.3);
B22	0.8 - 1.1 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Subangular blocky; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Basalt, coarse fragments; Many cutans, >50% of ped faces or walls coated, prominent; , 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			%
0 - 0.08	6.6A								
0.08 - 0.8	4.7A								
0.8 - 1.1	7.6A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension