

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1597 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	23/04/93	Elevation:	No Data
Map Ref.:	Sheet No. : 7956 GPS	Rainfall:	No Data
Northing/Long.:	7806413 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	336564 Datum: AGD66	Drainage:	Moderately well drained

Geology

ExposureType:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	No Data
Morph. Type:	Simple-slope	Relief:	No Data
Elem. Type:	Bank	Slope Category:	Gently inclined
Slope:	3 %	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 Very gravelly Very fine Very fine Moderately deep		Principal Profile Form:	Ug5.1
ASC Confidence:		Great Soil Group:	Black earth
Confidence level not specified			

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Dichanthium sericeum, Themeda triandra, Cyperus
species Mid Strata - , , . *Species includes - None recorded

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 50-90%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A1	0 - 0.06 m	Very dark greyish brown (10YR3/2-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Granular; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
B21	0.06 - 0.25 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , ; Gypseous, , ; Field pH 7 (Raupach, 0.15); Gradual change to -
B22	0.25 - 0.6 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , ; Gypseous, , ; Field pH 7.5 (Raupach, 0.4); Gradual change to -
C	0.6 - 0.75 m	Dark brown (7.5YR3/2-Moist); ; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 0.7);

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 Cmol (+)/kg	Acidity			%

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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