

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1382 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	21/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7957 GPS	Rainfall:	No Data
Northing/Long.:	7776100 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	315270 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:	Undulating plains <9m 3-10%	Pattern Type:	Plain
Morph. Type:	Lower-slope	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	3 %	Aspect:	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Endocalcareous Self-Mulching Black Vertosol Non-gravelly		Principal Profile Form:	Ug5.14
Medium fine Medium fine Moderately 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, 0.51-1m, Very sparse. *Species includes - Heteropogon contortus, Ophiuros exaltatus,

Cyperus species Mid Strata - , , . *Species includes - None recorded

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

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

Profile Morphology

A1	0 - 0.04 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Field pH 7 (Raupach, 0.02); Clear change to -
B21	0.04 - 0.3 m	Very dark grey (5Y3/1-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Field pH 5.5 (Raupach, 0.2); Clear change to -
B22	0.3 - 0.7 m	Very dark grey (5Y3/1-Moist); ; Medium heavy clay; Strong grade of structure, Lenticular; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Many cutans, >50% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Field pH 8 (Raupach, 0.7); Clear change to -
C	0.7 - 0.8 m	; Weak grade of structure, Polyhedral; Very many (50 - 100 %), Ferromanganiferous, Medium (2 - 6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

Laboratory Test Results:

0 - 0.04	7A
0.04 - 0.3	7.4A
0.3 - 0.7	8A

0 - 0.04
0.04 - 0.3
0.3 - 0.7

0 - 0.04
0.04 - 0.3
0.3 - 0.7

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension