

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1107 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	08/05/92	Elevation:	330 metres
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7821656 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	364301 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	Undisturbed soil core, Calcarenite

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:	1 %	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 Slightly gravelly Medium fine Very fine Deep		Principal Profile Form:	Ug5.12
ASC Confidence:		Great Soil Group:	Black earth

All necessary analytical data are available.

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, Heteropogon
contortus,
Eulalia aurea Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia

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

Profile Morphology

A1	0 - 0.1 m	Very dark grey (2.5YR3/0-Moist); ; Medium clay; Strong grade of structure, 5-10 mm; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.7 m	Very dark grey (2.5YR3/0-Moist); ; Medium heavy clay; Moderate grade of structure; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 6.5 (Raupach, 0.6); Gradual change to -
B22	0.7 - 1.1 m	Very dark grey (2.5YR3/0-Moist); ; Medium heavy clay; 20-50 mm; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension