

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1220 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	19/06/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8058 GPS	Rainfall:	No Data
Northing/Long.:	7839048 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	390694 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:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Epicalcareous Self-Mulching Black Vertosol Non-gravelly		Principal Profile Form:	Ug5.16
Medium fine Medium 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, 0.51-1m, Sparse. *Species includes - Dichanthium species, Ophiuros exaltatus
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.11 m	Black (10YR2/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Polyhedral; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.05); Clear change to -
B21	0.11 - 0.35 m	Black (10YR2/1-Moist); ; Medium heavy clay; Moderate grade of structure, Angular blocky; Smooth-ped fabric; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.2); Gradual change to -
B22	0.35 - 1.15 m	Black (10YR2/1-Moist); ; Medium heavy clay; Strong grade of structure, Lenticular; Smooth-ped fabric; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.8); Gradual change to -
B23	1.15 - 1.4 m	Dark greyish brown (2.5Y4/2-Moist); Mottles, 10YR31, 10-20% , Prominent; Mottles, 10-20% ; Medium clay; Strong grade of structure, Lenticular; Smooth-ped fabric; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 1.3); Gradual change to -
B3	1.4 - 1.9 m	Greenish grey (5GY6/1-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Common (10 - 20 %), Calcareous, Very coarse (20 - 60 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 1.65);

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		%
0 - 0.11	8.3A								
0.11 - 0.35	8.6A								
0.35 - 1.15	8.6A								
1.15 - 1.4	8.5A								
1.4 - 1.9	8.4A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension