

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1531 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	15/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7708582 AMG zone: 55	Runoff:	Very slow
Easting/Lat.:	375306 Datum: AGD66	Drainage:	Poorly 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:	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
Haplic Epipedal Grey Vertosol Non-gravelly Very fine Very fine Very deep		Principal Profile Form:	Ug5.28
ASC Confidence:		Great Soil Group:	Grey clay

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, 0.26-0.5m, Sparse. *Species includes - Dichanthium species, Spathia neuropa,
Chrysopogon fallax Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus brownii

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Dark grey (2.5Y4/0-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.02); Abrupt change to -
B21	0.03 - 0.3 m	Dark grey (2.5Y4/0-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
B22	0.3 - 0.75 m	Dark grey (2.5Y4/0-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.5); Gradual change to -
B23	0.75 - 1.2 m	Very dark grey (7.5YR3/0-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1); Gradual change to -
B24	1.2 - 1.5 m	Very dark grey (10YR3/1-Moist); Mottles, 10-20% , 15-30mm, Distinct; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; Firm consistence; Few cutans, <10% of ped faces or walls coated; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 1.4);

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	%
0.03 - 0.3	7.7A							
0.3 - 0.75	7.1A							
0.75 - 1.2	7.1A							
1.2 - 1.5	7.1A							

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension