

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1545 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	27/10/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7683910 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	386584 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:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm, Cracking

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Haplic Epipedal Brown Vertosol Slightly gravelly Medium fine Very fine Deep		Principal Profile Form:	Ug5.34
ASC Confidence:		Great Soil Group:	Brown 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 - Bothriochloa species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Lysipillum carronii, Atalaya hemiglauc
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia cambagei, Acacia argyrodendron

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, rounded, Calcrete

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.35 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay (Light); Moderate grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, Lenticular; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.2); Gradual change to -
B22	0.35 - 1.2 m	Brown (10YR4/3-Moist); Mottles, 7.5YR5/6, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, Lenticular; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0 - 0.1	7.5A								
0.1 - 0.35	8.2A								
0.35 - 1.2	8.1A								

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension