

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1721 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	13/05/93	Elevation:	No Data
Map Ref.:	Sheet No. : 8055 GPS	Rainfall:	No Data
Northing/Long.:	7661238 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	398101 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, 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): Self-mulching, Cryptogam surface

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Gypsic Self-Mulching Grey Vertosol Non-gravelly Medium fine Very fine Deep		Principal Profile Form:	Ug
ASC Confidence:		Great Soil Group:	N/A
Confidence level not specified			

Site Disturbance: No effective disturbance other than grazing by hoofed animals

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Eulalia aurea, Panicum species, Spathia neurosa

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

Tall Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Acacia harpophylla

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.07 m	Very dark grey (2.5Y3/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Rough-ped fabric; Dry; Common (10 - 20 %), , , ; Calcareous, , ; Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.03); Clear change to -
B21	0.07 - 0.3 m	Dark grey (5Y4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Many (20 - 50 %), , , ; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.2); Gradual change to -
B22	0.3 - 0.8 m	Olive grey (5Y5/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very many (50 - 100 %), , , ; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.5); Gradual change to -
B23	0.8 - 1.7 m	Greyish brown (2.5Y5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Weak grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Few cutans, <10% of ped faces or walls coated, distinct; Common (10 - 20 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Gypseous, Fine (0 - 2 mm), Crystals; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.2);
B24	1.7 - 1.75 m	Pale olive (5Y6/3-Moist); Mottles, 2.5YR46, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Common (10 - 20 %), Manganiferous, Fine (0 - 2 mm), Nodules; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; Very few (0 - 2 %), Gypseous, Fine (0 - 2 mm), Crystals; Field pH 9.5 (Raupach, 1.75);

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				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile