

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1641 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	22/04/92	Elevation:	No Data
Map Ref.:	Sheet No. : 7958 GPS	Rainfall:	No Data
Northing/Long.:	7808782 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	323854 Datum: AGD66	Drainage:	No Data

Geology

Exposure Type:	No Data	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	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
Endocalcareous Self-Mulching Grey Vertosol Non-gravelly	Principal Profile Form:	Ug5.24
Very fine Very fine Very deep	Great Soil Group:	Grey clay
ASC Confidence:		
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eulalia aurea
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Shrub, 1.01-3m, Isolated clumps. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 0-2%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A11	0 - 0.04 m	Dark grey (10YR4/1-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.04); Clear change to -
A12	0.04 - 0.2 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Columnar; Smooth-ped fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.2); Diffuse change to -
B21	0.2 - 0.7 m	Dark grey (2.5Y4/1-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.7); Clear change to -
B22c	0.7 - 1.9 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Field pH 9 (Raupach, 1.8); Clear change to -
B23	1.9 - 2.1 m	Grey (5Y5/1-Moist); Mottles, 5Y54, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Medium heavy clay; Strong grade of structure, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 2);

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	Size CS	Analysis FS	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