

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 935 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	15/05/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8156 GPS	Rainfall:	No Data
Northing/Long.:	7706750 AMG zone: 55	Runoff:	No Data
Easting/Lat.:	415637 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): Surface crust, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Mottled Crusty Grey Vertosol Non-gravelly Medium fine Very fine Very deep	Principal Profile Form:	Ug3
ASC Confidence:	Great Soil Group:	Grey clay

No analytical data are available but confidence is fair.

Site Disturbance: Complete clearing. Pasture, native or improved, but never cultivated

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Eulalia aurea (ex fulva), Eragrostis species, Panicum species Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 1.01-3m, Isolated plants. *Species includes - Eucalyptus cambageana, Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.01 m	Grey (10YR5/1-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Platy; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , ;
A12	0.01 - 0.18 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05);
A2j	0.18 - 0.22 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 10-20% , 0-5mm, Distinct; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ;
B21	0.22 - 1.1 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.5); Field pH 4.8 (Raupach, 1);
B22	1.1 - 1.5 m	Brown (10YR5/3-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 4.5 (Raupach, 1.5);

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	Acidity		%
						Cmol (+)/kg			

0.01 - 0.18	6.2A
1.1 - 1.5	5A

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

0.01 - 0.18
1.1 - 1.5

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m3/m3							mm/h	mm/h
0.00	0.00	100	98	95	90	85	75	65	10	10
0.05	0.00	100	98	95	90	85	75	65	10	10
0.10	0.00	100	98	95	90	85	75	65	10	10
0.15	0.00	100	98	95	90	85	75	65	10	10
0.20	0.00	100	98	95	90	85	75	65	10	10
0.25	0.00	100	98	95	90	85	75	65	10	10
0.30	0.00	100	98	95	90	85	75	65	10	10
0.35	0.00	100	98	95	90	85	75	65	10	10
0.40	0.00	100	98	95	90	85	75	65	10	10
0.45	0.00	100	98	95	90	85	75	65	10	10
0.50	0.00	100	98	95	90	85	75	65	10	10
0.55	0.00	100	98	95	90	85	75	65	10	10
0.60	0.00	100	98	95	90	85	75	65	10	10
0.65	0.00	100	98	95	90	85	75	65	10	10
0.70	0.00	100	98	95	90	85	75	65	10	10
0.75	0.00	100	98	95	90	85	75	65	10	10
0.80	0.00	100	98	95	90	85	75	65	10	10
0.85	0.00	100	98	95	90	85	75	65	10	10
0.90	0.00	100	98	95	90	85	75	65	10	10
0.95	0.00	100	98	95	90	85	75	65	10	10
1.00	0.00	100	98	95	90	85	75	65	10	10
1.05	0.00	100	98	95	90	85	75	65	10	10
1.10	0.00	100	98	95	90	85	75	65	10	10
1.15	0.00	100	98	95	90	85	75	65	10	10
1.20	0.00	100	98	95	90	85	75	65	10	10
1.25	0.00	100	98	95	90	85	75	65	10	10
1.30	0.00	100	98	95	90	85	75	65	10	10
1.35	0.00	100	98	95	90	85	75	65	10	10
1.40	0.00	100	98	95	90	85	75	65	10	10
1.45	0.00	100	98	95	90	85	75	65	10	10
1.50	0.00	100	98	95	90	85	75	65	10	10
1.55	0.00	100	98	95	90	85	75	65	10	10
1.60	0.00	100	98	95	90	85	75	65	10	10
1.65	0.00	100	98	95	90	85	75	65	10	10
1.70	0.00	100	98	95	90	85	75	65	10	10
1.75	0.00	100	98	95	90	85	75	65	10	10
1.80	0.00	100	98	95	90	85	75	65	10	10
1.85	0.00	100	98	95	90	85	75	65	10	10
1.90	0.00	100	98	95	90	85	75	65	10	1

0.01 - 0.18
1.1 - 1.5

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension