

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2339 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M.G. Cannon	Locality:	
Date Desc.:	26/10/94	Elevation:	No Data
Map Ref.:	Sheet No. : 7960 GPS	Rainfall:	No Data
Northing/Long.:	7947054 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	319035 Datum: AGD66	Drainage:	Imperfectly drained

Geology

ExposureType:	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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Eutrophic Brown Dermosol Medium Non-gravelly Clay-loamy Clayey Deep	Principal Profile Form:	Gn3.72

ASC Confidence:	Great Soil Group:	N/A
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Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Very sparse. *Species includes - Chrysopogon fallax, Aristida species
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus moluccana
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus moluccana, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Dark greyish brown (10YR4/2-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.02); Clear
A12	0.02 - 0.2 m	Brown (10YR4/3-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Gradual change to -
B21	0.2 - 0.6 m	Yellowish brown (10YR5/6-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Diffuse change to -
B22	0.6 - 1.4 m	; Medium clay; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.4);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC		Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.02	6.2A		5.4B	3	0.43	0.25			
0.02 - 0.2	6.6A								
0.2 - 0.6	5.7A								

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca ²⁺ ,Mg ²⁺ ,Na ⁺ ,K ⁺) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension