

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1335 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	Rogers, Gary	Locality:	
Date Desc.:	06/08/92	Elevation:	No Data
Map Ref.:	Sheet No. : 8059 GPS	Rainfall:	No Data
Northing/Long.:	7887862 AMG zone: 55	Runoff:	Slow
Easting/Lat.:	353575 Datum: AGD66	Drainage:	No Data

Geology

ExposureType:	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:	Gently undulating plains <9m 1-3%	Pattern Type:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	1 %	Aspect:	No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached Mesotrophic Brown Chromosol Medium Non-gravelly Loamy Clayey Moderately deep	Principal Profile Form:	Dy3.42
ASC Confidence:	Great Soil Group:	No suitable group

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 1.01-3m, Closed or dense. *Species includes - Heteropogon triticeus, Themeda triandra,
Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Alternanthera species, Eucalyptus platyphylla

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus platyphylla, Eucalyptus polycarpa,

Eucalyptus

Surface Coarse Fragments:

Profile Morphology

A1	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.04); Clear change to -
A2e	0.08 - 0.27 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
B1	0.27 - 0.32 m	Brown (10YR5/3-Moist); Mottles, 10YR46, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy light clay; Weak grade of structure, 20-50 mm; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3); Clear change to -
B21	0.32 - 0.6 m	Light olive brown (2.5Y5/4-Moist); Mottles, 10YR46, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Sandy light medium clay; Weak grade of structure, 10-20 mm; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Ca	Exchangeable Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.08	6.7A		6B	2.1	0.52	0.08				
0.08 - 0.27	7A									
0.32 - 0.6	7.3A		3.4B	2.4	0.94	0.1				

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,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
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension