

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 76 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	26/07/90	Elevation:	317 metres
Map Ref.:	Sheet No. : 8056 GPS	Rainfall:	No Data
Northing/Long.:	7730698 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	372421 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:	180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Bleached-Mottled Eutrophic Brown Chromosol Medium Non-gravelly Loamy Clay-loamy Moderately deep	Principal Profile Form:	Dy3.43
ASC Confidence:	Great Soil Group:	No suitable

Analytical data are incomplete but reasonable confidence.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Enteropogon species, Aristida species
Mid Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus brownii, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.28 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy fine sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 4.8 (Raupach, 0.05); Few, fine (1-2mm) roots; Abrupt, Smooth change to -
A2e	0.28 - 0.3 m	Pale brown (10YR6/3-Moist); ; Loamy fine sand; Massive grade of structure; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.3); Few, fine (1-2mm) roots; Abrupt, Smooth change to -
B2c	0.3 - 0.9 m	Brown (10YR5/3-Moist); Mottles, 10YR81, 20-50% , 15-30mm, Distinct; Mottles, 20-50% ; Clay loam, fine sandy; Strong grade of structure, 50-100 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very firm consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.28	5.5A		1.8B	0.71	0.37	0.05				
0.28 - 0.3	6.3A									
0.3 - 0.9	6.7A		7.1J	2.4	0.2	0.5		10.2I		4.90

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
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
15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension