

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 316 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	16/07/91	Elevation:	220 metres
Map Ref.:	Sheet No. : 8155 GPS	Rainfall:	No Data
Northing/Long.:	7674928 AMG zone: 55	Runoff:	No runoff
Easting/Lat.:	447462 Datum: AGD66	Drainage:	Well drained

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:	Alluvial plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Level
Slope:	1 %	Aspect:	150 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Basic Regolithic Orthic Tenosol Medium Non-gravelly Loamy Loamy Very deep		Principal Profile Form:	Uc4.22
ASC Confidence:		Great Soil Group:	Earthy sand

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Aristida species, Heteropogon contortus Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus crebra, Eucalyptus

papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear, Smooth change to -
A3	0.1 - 0.4 m	Brown (7.5YR4/4-Moist); ; Fine sandy loam (Light); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Many, fine (1-2mm) roots; Gradual, Smooth change to -
B21	0.4 - 1.1 m	Reddish brown (5YR4/4-Moist); ; Fine sandy loam (Light); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.6); Many, fine (1-2mm) roots; Diffuse, Smooth change to -
B22	1.1 - 2 m	Yellowish red (5YR4/6-Moist); ; Fine sandy loam (Light); Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Medium (2-5mm) macropores, Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 1.5); Common, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth m	pH	1:5 EC dS/m	Exchangeable Ca Mg	Cations K	Na Cmol (+)/kg	Exchangeable Acidity	CEC	ECEC	ESP %
0 - 0.1	6.2A		3.6B	1.4	0.41	0.12			
0.1 - 0.4	6.1A								
0.4 - 1.1	6.3A		3.2B	1.4	0.28	0.07	7.2I		0.97
			3.3J	1.5	0.3	0.1			1.39
1.1 - 2	6.7A								

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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