

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 48 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By:	M. DeCorte	Locality:	
Date Desc.:	19/07/90	Elevation:	480 metres
Map Ref.:	Sheet No. : 7956 GPS	Rainfall:	No Data
Northing/Long.:	7721854 AMG zone: 55	Runoff:	Moderately rapid
Easting/Lat.:	327320 Datum: AGD66	Drainage:	Well 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:	No Data	Pattern Type:	Plain
Morph. Type:	Flat	Relief:	No Data
Elem. Type:	Plain	Slope Category:	Very gently sloped
Slope:	2 %	Aspect:	160 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit:	N/A
Haplic Mesotrophic Red Kandosol Thin Non-gravelly Sandy Clay-loamy Very deep	Principal Profile Form:	Gn2.12

ASC Confidence:	Great Soil Group:	Red earth
Analytical data are incomplete but reasonable confidence.		

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Chrysopogon fallax, Themeda triandra, Enneapogon species Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Bursaria incana, Grevillea glauca

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus similis, Eucalyptus erythrophloia, Eucalyptus setosa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.08 m	Reddish brown (5YR4/4-Moist); ; Sand; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.04); Common, fine (1-2mm) roots; Clear, Smooth change to -
B1	0.08 - 0.4 m	Red (2.5YR4/6-Moist); ; Loamy sand (Light); Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Common, fine (1-2mm) roots; Gradual, Smooth change to -
B21	0.4 - 1.05 m	Red (2.5YR4/6-Moist); ; Sandy clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.3 (Raupach, 0.6); Few, fine (1-2mm) roots; Gradual, Smooth change to -
B22	1.05 - 2.05 m	Red (2.5YR4/6-Moist); ; Sandy clay loam (Light); Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moist; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 1.2); Few, fine (1-2mm) roots;

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 - 0.08	7.1A		2.2B	0.38	0.13	0.03				
0.08 - 0.4	6.7A									
0.4 - 1.05	6.6A		1.6J	1	0.2	0		2.2I		0.00
1.05 - 2.05	6.6A		0.99B	1.3	0.04	0.04				

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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