

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1197 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 17/06/92	Elevation: No Data
Map Ref.: Sheet No. : 8058 GPS	Rainfall: No Data
Northing/Long.: 7840936 AMG zone: 55	Runoff: Very slow
Easting/Lat.: 368520 Datum: AGD66	Drainage: Imperfectly drained

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: 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
Basic Ferric-Petroferric Orthic Tenosol Thick Non-gravelly	Principal Profile Form: Gn1.81
Sandy Clay-loamy Moderately deep	
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, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Aristida species, Chrysopogon fallax Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Melaleuca nervosa

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus polycarpa, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05);
A12	0.09 - 0.2 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.1);
A13	0.2 - 0.32 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.25);
B3	0.32 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.45);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg	Acidity		%
0 - 0.09	6.7A		0.99B	0.58	0.35	0.03			
0.09 - 0.2	6.7A		0.74B	0.42	0.47	0.02			
0.2 - 0.32	6.3A								
0.32 - 0.5	6A								

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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