

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1134 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 22/05/92	Elevation: No Data
Map Ref.: Sheet No. : 8058 GPS	Rainfall: No Data
Northing/Long.: 7836467 AMG zone: 55	Runoff: No Data
Easting/Lat.: 367387 Datum: AGD66	Drainage: No Data

Geology

Exposure Type: 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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Submelacic Paralithic Leptic Tenosol Thick Slightly gravelly Sandy Sandy Moderately deep	Principal Profile Form: Uc5.11
ASC Confidence: No analytical data are available but confidence is fair.	Great Soil Group: Siliceous sand

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Eriachne species, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca nervosa, Petalostigma pubescens

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus papuana, Eucalyptus polycarpa

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, subangular, Quartz

Profile Morphology

A11	0 - 0.15 m	Very dark grey (10YR3/1-Moist); ; Loamy sand (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Moist; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.1);
A12	0.15 - 0.45 m	Greyish brown (10YR5/2-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.4);
C	0.45 - 0.8 m	Brown (10YR4/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very many (50 - 100 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.7);

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				%
0.45 - 0.8	9.3A									

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
0.45 - 0.8												

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	mm/h	mm/h
0.45 - 0.8					g/g - m3/m3					

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension