

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1718 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: Rogers, Gary	Locality:
Date Desc.: 13/05/93	Elevation: No Data
Map Ref.: Sheet No. : 8055 GPS	Rainfall: No Data
Northing/Long.: 7658046 AMG zone: 55	Runoff: Very slow
Easting/Lat.: 393916 Datum: AGD66	Drainage: No Data

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: Level plain <9m <1%	Pattern Type: Plain
Morph. Type: Flat	Relief: No Data
Elem. Type: Plain	Slope Category: Level
Slope: 1 %	Aspect: No Data

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

Australian Soil Classification:	Mapping Unit: N/A
Basic Regolithic Bleached Tenosol Very thick Non-gravelly	Principal Profile Form: Uc
Sandy Sandy Deep	
ASC Confidence:	Great Soil Group: Siliceous sand
Confidence level not specified	

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species, Sporobolus species, Enneapogon species

Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca species, Acacia species

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

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Loamy sand (Light); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (pH meter, 0.1); Clear change to -
A12	0.15 - 0.3 m	Dark yellowish brown (10YR3/4-Moist); ; Loamy sand (Light); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (pH meter, 0.2); Gradual change to -
A13	0.3 - 0.5 m	Brown (7.5YR5/4-Moist); ; Sand (Heavy); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (pH meter, 0.4); Gradual change to -
A2	0.5 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Sand (Heavy); Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Diffuse change to -
	0.7 - 1.4 m	Reddish yellow (7.5YR6/6-Moist); ; Sand; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (pH meter, 0.8); Field pH 6 (pH meter, 1.05);

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			%		
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			%		
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				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile