

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1807 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> M.G. Cannon	<b>Locality:</b>
<b>Date Desc.:</b> 25/05/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8255 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7671472 AMG zone: 55	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 483575 Datum: AGD66	<b>Drainage:</b> No Data

#### Geology

<b>Exposure Type:</b> No Data	<b>Conf. Sub. is Parent. Mat.:</b> No Data
<b>Geol. Ref.:</b> No Data	<b>Substrate Material:</b> No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating plains <9m 1-3%	<b>Pattern Type:</b> Alluvial plain
<b>Morph. Type:</b> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Gently inclined
<b>Slope:</b> 2 %	<b>Aspect:</b> No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Haplic Silpanic Bleached-Leptic Tenosol Very thick Non-gravelly Sandy Sandy Very deep	<b>Principal Profile Form:</b> Uc1
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Siliceous sand
Confidence level not specified	

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

**Vegetation:** Low Strata - , , . \*Species includes - None recorded  
 Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eucalyptus brownii, Eulalia aurea, Eucalyptus polycarpa  
 Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.1 m	Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05);
A12	0.1 - 0.25 m	Brown (10YR5/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.2);
A21j	0.25 - 0.5 m	Light yellowish brown (10YR6/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.75);
A22e	0.5 - 1 m	Light brownish grey (10YR6/2-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.75);
B2c	1 - 1.05 m	Light brownish grey (10YR6/2-Moist); ; Sand; Massive grade of structure; Sandy (grains prominent) fabric; Very firm consistence; , Calcareous, , , , Gypseous, , ; Manganiferous pan, Weakly cemented, Continuous, Massive; Field pH 7 (Raupach, 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