

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1757 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	14/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8055 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7667684 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	386748 Datum: AGD66	<b>Drainage:</b>	Well drained

#### 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>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Fluvic Bleached Tenosol Medium Non-gravelly Sandy Sandy Deep	<b>Principal Profile Form:</b>	Uc5.11
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Siliceous sand

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Very sparse. \*Species includes - Eriachne species, Aristida species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Melaleuca species, Acacia species, Petalostigma  
pubescens

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus polycarpa, Eucalyptus tereticornis

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A1	0 - 0.14 m	Brown (7.5YR4/3-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05);
A2e	0.14 - 0.5 m	Light brown (7.5YR6/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (pH meter, 0.3);
B11	0.5 - 0.8 m	Reddish yellow (7.5YR6/6-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 5.5 (pH meter, 0.65);
B12	0.8 - 1.2 m	Light brown (7.5YR6/4-Moist); Mottles, 5YR58, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 5.5 (pH meter, 1);

#### 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	Acidity					%
						Cmol (+)/kg						

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

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

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Laboratory Analyses Completed for this profile