

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1974 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	06/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7858 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7788687 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	269341 Datum: AGD66	<b>Drainage:</b>	Rapidly drained

#### Geology

<b>ExposureType:</b>	No Data	<b>Conf. Sub. is Parent. Mat.:</b>	No Data
<b>Geol. Ref.:</b>	No Data	<b>Substrate Material:</b>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached Eutrophic Brown Chromosol Thick Gravelly Loamy Clay-loamy Deep	<b>Principal Profile Form:</b>	Dy4.82
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable group

No analytical data are available but confidence is fair.

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Heteropogon contortus, Aristida species  
Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Petalostigma pubescens  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus polycarpa, Eucalyptus crebra

**Surface Coarse Fragments:** 10-20%, fine gravelly, 2-6mm, subangular, Quartz

#### Profile Morphology

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), , , , , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.27 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), , , , , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to -
A2e	0.27 - 0.58 m	Greyish brown (10YR5/2-Moist); ; Sand (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Very few (0 - 2 %), , , , , Calcareous, , , , Gypseous, , , Field pH 6.3 (Raupach, 0.5); Clear change to -
B2	0.58 - 1.2 m	Brown (10YR5/3-Moist); ; Clay loam, sandy (Light); Dry; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 1.1);

#### 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 Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis 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