

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1966                      **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>	05/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7857    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7759026 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	278377    Datum: AGD66	<b>Drainage:</b>	Well 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, Schist

**Land Form**

<b>Rel/Slope Class:</b>	Rolling rises 9-30m 10-32%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	8 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Lithic Paralithic Orthic Tenosol Thick Gravelly Loamy Clay-loamy Deep		<b>Principal Profile Form:</b>	Uc5.23
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	No suitable group

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, Sparse. \*Species includes - Themeda triandra, Aristida species, Heteropogon contortus                      Mid Strata - Shrub, 1.01-3m, Very sparse. \*Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, angular, Quartz

**Profile Morphology**

A11	0 - 0.13 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Clear change to -
A12	0.13 - 0.4 m	Dark greyish brown (10YR4/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
	0.4 - 0.5 m	Brown (10YR5/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Very weak consistence; 20-50%, coarse gravelly, 20-60mm, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5);
B2	0.5 - 1.1 m	Olive (5Y5/3-Moist); ; Fine sandy clay loam (Heavy); Massive grade of structure; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 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	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