

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1995 **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>	19/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7881754 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	311282 Datum: AGD66	<b>Drainage:</b>	Moderately 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, No Data

#### Land Form

<b>Rel/Slope Class:</b>	No Data	<b>Pattern Type:</b>	No Data
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Brown Dermosol Medium Moderately gravelly Silty Clayey Deep	<b>Principal Profile Form:</b>	Um6.3
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Brown earth

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, 0.26-0.5m, Very sparse. \*Species includes - Bothriochloa decipiens, Unknown species,  
Unknown species Mid Strata - Shrub, 1.01-3m, Very sparse. \*Species includes - Petalostigma pubescens, Eucalyptus brownii

Tall Strata - Tree, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus brownii, Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 20-50%, medium gravelly, 6-20mm, angular,

#### Profile Morphology

A1	0 - 0.1 m	Brown (10YR4/3-Moist); ; Silty clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subangular tabular, Slate, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.26 m	Light olive brown (2.5Y5/4-Moist); Mottles, 2.5YR36, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Silty clay loam; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subangular tabular, Slate, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 5.5 (Raupach, 0.2); Clear change to -
B31	0.26 - 0.45 m	Light olive brown (2.5Y5/4-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 50-90%, coarse gravelly, 20-60mm, subangular tabular, Slate, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.4);
B32	0.45 - 1.3 m	Yellowish brown (10YR5/4-Moist); ; Silty clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Dry; 20-50%, medium gravelly, 6-20mm, subangular tabular, Slate, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (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	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