

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2289 **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>	03/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7859424 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	332790 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>	Undisturbed soil core, Siltstone

#### Land Form

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

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Subnatric Grey Sodosol Medium Moderately gravelly Clay-loamy Moderately deep	<b>Principal Profile Form:</b>	Dy2.73
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic soil
No analytical data are available but confidence is fair.		

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

**Vegetation:** Low Strata - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - TRIODIA SPECIES ?  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eremophila mitchellii, Erythroxylon australe  
Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus persistens

**Surface Coarse Fragments:** 20-50%, medium gravelly, 6-20mm, rounded, Substrate material

#### Profile Morphology

A11	0 - 0.08 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach,
A2j	0.08 - 0.3 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.2);
B21	0.3 - 0.6 m	Dark grey (10YR4/1-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 0.5);
C	0.6 - 0.8 m	; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 0.8);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			%
						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