

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 670                      **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>	15/07/91	<b>Elevation:</b>	280 metres
<b>Map Ref.:</b>	Sheet No. : 8158    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7793898 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	403058    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>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plateau
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Summit surface	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	305 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Yellow Kandosol Thin Non-gravelly Clay-loamy Clay-loamy Moderately deep	<b>Principal Profile Form:</b>	Gn2.25
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow 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, Mid-dense. \*Species includes - Aristida species, Eragrostis species  
Mid Strata - , , . \*Species includes - Acacia catenulata  
Tall Strata - Tree, 6.01-12m, Closed or dense. \*Species includes - Acacia catenulata

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

**Profile Morphology**

A	0 - 0.08 m	Strong brown (7.5YR5/8-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 2-10%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05);
A2	0.08 - 0.28 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ;
B2	0.28 - 0.6 m	Reddish yellow (7.5YR6/8-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.3);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

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

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

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 - m <sup>3</sup> /m <sup>3</sup>							mm/h	mm/h
0.00	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.05	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.10	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.15	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.20	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.25	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.30	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.35	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.40	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.45	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.50	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.55	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.60	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.65	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.70	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.75	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.80	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.85	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.90	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
0.95	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.00	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.05	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.10	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.15	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.20	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.25	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.30	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.35	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.40	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.45	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.50	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.55	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.60	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.65	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.70	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.75	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.80	0.00	0.98	0.96	0.94	0.91	0.87	0.82	0.76	0.00	0.00
1.85	0									

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Laboratory Analyses Completed for this profile