

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2341 **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>	26/10/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7960 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7937932 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	305605 Datum: AGD66	<b>Drainage:</b>	Well drained

**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>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Valley flat	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1.5 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Kandosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red earth

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Bothriochloa decipiens, Themeda triandra  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus platyphylla, Eucalyptus crebra,

Eucalyptus

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

**Profile Morphology**

A11	0 - 0.02 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.3 (Raupach, 0.02); Clear change to -
A12	0.02 - 0.1 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
A2	0.1 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Fine sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.3 (Raupach, 0.15); Gradual change to -
B21	0.2 - 0.4 m	Red (2.5YR4/6-Moist); ; Sandy medium clay (Light); Massive grade of structure; Earthy fabric; Dry; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ;
B22	0.4 - 0.6 m	Red (2.5YR4/6-Moist); ; Sandy medium clay; Earthy fabric; Dry; 2-10%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.3 (Raupach, 0.5);

**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 Acidity			%
				Na Cmol (+)/kg			

0 - 0.02	6.2A	4.2B	1.6	0.52	0.1
0.4 - 0.6	6.4A				

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			%		

0 - 0.02  
0.4 - 0.6

[illegible]

0 - 0.02  
0.4 - 0.6

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**Laboratory Analyses Completed for this profile**

15A2_CA	Exchangeable bases (Ca <sup>2+</sup> ,Mg <sup>2+</sup> ,Na <sup>+</sup> ,K <sup>+</sup> ) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension