

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1629                      **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>	21/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7955    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7636758 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	342951    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<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 Thin Non-gravelly Loamy Clay-loamy Very 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 - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - Triodia mitchellii, Themeda triandra  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Grevillea species, Eucalyptus crebra,

Eucalyptus

erythrophloia

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus papuana,

Eucalyptus

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.08 m	Dark reddish brown (2.5YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Gradual change to -
B1	0.08 - 0.4 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Diffuse change to -
B2	0.4 - 0.7 m	Dark red (10R3/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.7);

**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