

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2182                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	06/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7668204 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	439173    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>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Kandosol		<b>Principal Profile Form:</b>	Gn2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Red 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 - None recorded  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Acacia species, Eucalyptus setosa, Bursaria incana  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus melanophloia

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, subangular, Quartz

**Profile Morphology**

A11	0 - 0.07 m	Dark reddish brown (5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05);
A12	0.07 - 0.13 m	Dark red (2.5YR3/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1);
B1	0.13 - 0.3 m	Dark reddish brown (2.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2);
B21	0.3 - 0.9 m	Red (2.5YR4/8-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.7);
B22	0.9 - 1.1 m	Red (10R4/6-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , , , Gypseous, , ; Red-brown hardpan, Moderately cemented, Concretionary; Field pH 7 (Raupach, 1);
C	1.1 - 1.2 m	Red (2.5YR4/8-Moist); ; Very strong consistence; , Calcareous, , , , Gypseous, , ;

**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					%
						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