

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1594                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	22/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7958    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7806714 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	316489    Datum: AGD66	<b>Drainage:</b>	Moderately 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>	Undisturbed soil core, 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, Cryptogam surface

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Ferrosol Thin Slightly gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Euchrozem
Confidence level not specified		

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Themeda triandra, Eulalia aurea, Chrysopogon fallax  
Mid Strata - Shrub, 1.01-3m, Isolated plants. \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana, Erythrina vesperitilio

**Surface Coarse Fragments:** 2-10%, cobbly, 60-200mm, subrounded, Basalt

**Profile Morphology**

A11	0 - 0.08 m	Dark reddish brown (5YR3/4-Moist); ; Clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.08 - 0.33 m	Dark reddish brown (2.5YR3/3-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Fine (1-2mm) macropores, Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B2	0.33 - 0.55 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.5);

**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