

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2202                      **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>	26/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7859    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7865014 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	260342    Datum: AGD66	<b>Drainage:</b>	Rapidly drained

## 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>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Ridge	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	7 %	<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 Dermosol Medium Slightly gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3

**Great Soil Group:** N/A

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, 0.51-1m, Mid-dense. \*Species includes - *Bothriochloa decipiens*, *Dichanthium* species.

Heteropogon contortus Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra

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

**Surface Coarse Fragments:** 2-10%, bouldery, 600mm-2m, subrounded, Limestone

## Profile Morphology

A11	0 - 0.1 m	Dark reddish brown (2.5YR3/4-Moist); ; Fine sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Clear change to -
B1	0.1 - 0.35 m	Reddish brown (2.5YR4/4-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Gradual change to -
B21	0.35 - 0.6 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6); Gradual change to -
B22	0.6 - 0.9 m	Red (2.5YR4/8-Moist); ; Medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.9); Gradual change to -

### 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