

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2246                      **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>	22/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7878789 AMG zone: 55	<b>Runnoff:</b>	Rapid
<b>Easting/Lat.:</b>	326124 Datum: AGD66	<b>Drainage:</b>	Moderately well 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>	Undisturbed soil core. No Data

## Land Form

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Crest	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<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>	Dr2.13

<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable
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 - Unknown species, Unknown species, Unknown species  
Mid Strata - Shrub, 1.01-3m, Very sparse. \*Species includes - *Eremophila mitchellii*

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus persistens, Eucalyptus crebra, Eucalyptus

**Surface Coarse Fragments:** 2-10%, medium gravelly, 6-20mm, subrounded, Quartz

## Profile Morphology

A11	0 - 0.04 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.02); Clear change to -
A12	0.04 - 0.15 m	Yellowish red (5YR4/6-Moist); ; Sandy clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.1); Clear change to -
A3	0.15 - 0.28 m	Red (2.5YR4/6-Moist); ; Clay loam; Weak grade of structure, 10-20 mm; Smooth-ped fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); Clear change to -
B2	0.28 - 0.6 m	Dark red (2.5YR3/6-Moist); ; Medium clay (Light); Strong grade of structure, 10-20 mm; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.5); Abrupt change to -
BC	0.6 - 0.8 m	Reddish brown (2.5YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure, 10-20 mm; Dry; Strong consistence; 50-90%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 8.5 (Raupach, 0.8);

## Morphological Notes

### Observation Notes

## Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
		dS/m	Ca	Mg	K	Na	Acidity			
m						Cmol (+)/kg				%
Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle	Size	Analysis
	%	C	P	P	N	K	Density	GV	CS	FS
m		%	mg/kg	%	%	%	Mg/m3			%
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