

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 618 **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>	26/05/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8258-4 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7837624 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	452566 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, Andesite

**Land Form**

<b>Rel/Slope Class:</b>	Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	25 %	<b>Aspect:</b>	90 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Chromosol Thin Non-gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calcic brown soil
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 - Themeda triandra  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Loam; Weak grade of structure, 5-10 mm, Subangular blocky; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05);
B1	0.05 - 0.2 m	Red (2.5YR4/6-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15);
B21	0.2 - 0.45 m	Red (10R5/8-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3);
B22	0.45 - 0.65 m	Yellowish red (5YR5/8-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.5);
C	0.65 - 0.85 m	; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.75);

**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	
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