

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2275 **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>	01/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7842954 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	318036 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Vertic Eutrophic Red Chromosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dr2.13
<b>ASC Confidence:</b> No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Red-brown earth

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, <0.25m, Isolated plants. \*Species includes - Unknown species, Unknown species, Unknown species  
Unknown species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Erythroxylon australe

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

**Surface Coarse Fragments:** 50-90%, coarse gravelly, 20-60mm, subrounded, Quartz

#### Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; 50-90%, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.05);
B21	0.1 - 0.2 m	Strong brown (7.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.15);
B22	0.2 - 0.6 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Lenticular; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , , Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.4);
BC	0.6 - 1.2 m	; Strong grade of structure; Smooth-ped fabric; Dry; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), , , Gypseous, , , Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.9);

#### 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