

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2098 **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>	04/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7857 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7752186 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	290134 Datum: AGD66	<b>Drainage:</b>	Rapidly 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>	Steep low hills 30-90m 32-56%	<b>Pattern Type:</b>	Low hills
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Steep
<b>Slope:</b>	40 %	<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 Chromosol Thick Very gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.62
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	No suitable group

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Sparse. \*Species includes - Themeda triandra, Aristida species, Heteropogon contortus Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Bursaria incana

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

**Surface Coarse Fragments:** 50-90%, cobbly, 60-200mm, angular platy, Metamorphic rock (unidentified)

#### Profile Morphology

A1	0 - 0.15 m	Dark yellowish brown (10YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; 50-90%, cobbly, 60-200mm, angular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.1);
A2	0.15 - 0.4 m	Brownish yellow (10YR6/6-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; 50-90%, coarse gravelly, 20-60mm, angular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.3);
B2	0.4 - 0.7 m	Reddish yellow (5YR6/8-Moist); ; Light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 50-90%, coarse gravelly, 20-60mm, angular platy, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.5);
BC	0.7 - 1.1 m	; Dry; , Calcareous, , , , Gypseous, , ;

#### 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