

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2304                      **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>	10/05/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8060    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7903988 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	368454    Datum: AGD66	<b>Drainage:</b>	No Data

**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, Sandstone

**Land Form**

<b>Rel/Slope Class:</b>	Rolling rises 9-30m 10-32%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Footslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	8 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
No Available Class Paralithic Leptic Rudosol Moderately gravelly Loamy Very shallow		<b>Principal Profile Form:</b>	Uc1
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Lithosol

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, Sparse. \*Species includes - Heteropogon contortus, Bothriochloa  
decipiens,  
                                 Bothriochloa pertusa            Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eucalyptus papuana  
                                 Tall Strata - Tree, 6.01-12m, Isolated plants. \*Species includes - Eucalyptus crebra

**Surface Coarse Fragments:** 0-2%, medium gravelly, 6-20mm, subangular, Sandstone

**Profile Morphology**

A	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; 10-20%, medium gravelly, 6-20mm, subangular tabular, dispersed, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
	0.1 - 0.35 m	; 20-50%, medium gravelly, 6-20mm, subangular tabular, dispersed, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Gradual change to -
	0.35 - 0.5 m	; 50-90%, coarse gravelly, 20-60mm, subangular tabular, dispersed, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.5);

**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

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Laboratory Analyses Completed for this profile