

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2279 **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>	02/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7851930 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	321182 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	%	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Eutrophic Subnatric Brown Sodosol Thin Moderately gravelly Clay-loamy Clayey Deep	<b>Principal Profile Form:</b>	Dy2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Hummock grass, 0.26-0.5m, Very sparse. \*Species includes - Triodia mitchellii, Dichanthium species

Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eremophila mitchellii, Erythroxylon australe

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

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, rounded, Ironstone

#### Profile Morphology

A11	0 - 0.05 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.02);
B1	0.05 - 0.2 m	Red (2.5YR4/6-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.15);
B21	0.2 - 0.4 m	Yellowish brown (10YR5/8-Moist); Mottles, 7.5YR56, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, <2 mm, Granular; Smooth-ped fabric; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, rounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.3);

#### 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	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
m	%	C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
		%	mg/kg	%	%	%	Mg/m3			%		
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