

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 882                      **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>	18/11/91	<b>Elevation:</b>	220 metres
<b>Map Ref.:</b>	Sheet No. : 8256    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7708798 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	493461    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>	Existing vertical exposure, Sandstone

**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>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Sodic Eutrophic Yellow Chromosol Medium Moderately gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy3.32
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow podzolic soil
No analytical data are available but confidence is fair.		

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

**Vegetation:**    Low Strata - , , . \*Species includes - None recorded  
                         Mid Strata - , , . \*Species includes - None recorded  
                         Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus brownii

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

**Profile Morphology**

A11	0 - 0.08 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
A2j	0.08 - 0.12 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Clear change to -
B2	0.12 - 0.5 m	Yellowish brown (10YR5/6-Moist); Mottles, 7.5YR58, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Abrupt change to -

**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