

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 756                      **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>	30/09/91	<b>Elevation:</b>	280 metres
<b>Map Ref.:</b>	Sheet No. : 8156    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7730090 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	410568    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, No Data

**Land Form**

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<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 Subnatic Brown Sodosol Thick Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy3.33
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic 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, 6.01-12m, Mid-dense. \*Species includes - Eucalyptus brownii

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A	0 - 0.05 m	; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05);
A2j	0.05 - 0.4 m	; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3);
B21	0.4 - 0.6 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.6);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				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