

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1850 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	07/07/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7667816 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	420914 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>	Undisturbed soil core, Siltstone

#### Land Form

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<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 Subnatric Black Sodosol		<b>Principal Profile Form:</b>	Dd1.13
<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 - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Aristida species, Eriachne species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus brownii  
Tall Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Eucalyptus brownii, Eucalyptus crebra, Eucalyptus

papuana

**Surface Coarse Fragments:** 0-2%, bouldery, 600mm-2m, subrounded platy, Sandstone

#### Profile Morphology

A11	0 - 0.08 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Sharp change to -
B21	0.08 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Sandy medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; 2-10%, coarse gravelly, 20-60mm, angular platy, coarse fragments; , Calcareous, , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8 (Raupach, 0.4); Gradual change to -
C	0.45 - 0.5 m	Light olive brown (2.5Y5/6-Moist); ; Dry; , Calcareous, , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.5);

#### 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 Cmol (+)/kg	Acidity				%	
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	CS	Size FS	Analysis Silt	Clay
m	%	%	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