

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1875 **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>	07/09/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7859 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7847149 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	266092 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, Shale

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	4 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Hypercalcic Brown Dermosol		<b>Principal Profile Form:</b>	Uf6.31
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

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, 0.51-1m, Sparse. \*Species includes - Bothriochloa species, Dichanthium species  
Mid Strata - Shrub, 1.01-3m, Sparse. \*Species includes - Acacia species  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, angular, Quartz

#### Profile Morphology

A11	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
B21	0.05 - 0.17 m	Dark brown (7.5YR3/3-Moist); ; Light medium clay; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.1); Clear change to -
B22	0.17 - 0.3 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.25); Clear change to -
BC	0.3 - 0.45 m	Light olive brown (2.5Y5/6-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , , ; Field pH 9 (Raupach, 0.4); Gradual change to -
C1	0.45 - 1 m	Light olive brown (2.5Y5/6-Moist); ; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 0.6); Gradual change to -
C2	1 - 1.2 m	; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 1.2);

#### 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