

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2013 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Bright, J (Mitch)	<b>Locality:</b>	
<b>Date Desc.:</b>	09/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7624332 AMG zone: 55	<b>Runoff:</b>	Very rapid
<b>Easting/Lat.:</b>	473128 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>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	6 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	Acidic Eutrophic Red Dermosol Medium Non-gravelly Clayey Clayey Moderately deep	<b>Mapping Unit:</b>	N/A
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Principal Profile Form:</b>	Uf6.1
		<b>Great Soil Group:</b>	No suitable group

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Very sparse. \*Species includes - Aristida species  
Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Acacia catenulata, Erythroxylon australe  
Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - Eucalyptus thozetiana

**Surface Coarse Fragments:** 20-50%, cobbly, 60-200mm, subangular, Sandstone

#### Profile Morphology

A11	0 - 0.18 m	Reddish brown (5YR5/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Polyhedral; Weak grade of structure, <2 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Gradual change to -
B21	0.18 - 0.47 m	Yellowish red (5YR5/6-Moist); ; Light medium clay; Weak grade of structure, 10-20 mm; Strong grade of structure, <2 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, angular platy, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5 (Raupach, 0.25); Gradual change to -
B22	0.47 - 0.84 m	Yellowish red (5YR5/6-Moist); ; Medium clay; Weak grade of structure, 10-20 mm; Strong grade of structure, <2 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 0-2%, medium gravelly, 6-20mm, angular platy, Sandstone, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 5 (Raupach, 0.7); Clear change to -
BC	0.84 - 0.89 m	; 10-20 mm; Dry; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 1);

#### 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	Size CS	Analysis FS	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