

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1653 **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>	28/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7958 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7821316 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	328657 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, Basalt

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<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>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Manganic Eutrophic Red Ferrosol Thin Non-gravelly Clay-loamy Clayey Medium	<b>Principal Profile Form:</b>	Gn4.12

<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A
Confidence level not specified		

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Bothriochloa species, Heteropogon contortus,

Themeda triandra Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus papuana, Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 0-2%, , rounded, Basalt

#### Profile Morphology

A1	0 - 0.03 m	Dark brown (7.5YR3/2-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.03); Clear change to -
B1	0.03 - 0.15 m	Dark brown (7.5YR3/2-Moist); ; Light clay (Heavy); Moderate grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Gradual change to -
B2	0.15 - 0.6 m	Dark reddish brown (5YR3/4-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Moderately moist; Firm consistence; 20-50%, medium gravelly, 6-20mm, subangular, dispersed, Basalt, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.5); Clear change to -
C	0.6 - 1 m	; Light clay; Weak grade of structure; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (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