

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1656                      **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>	7834788 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	319640    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>	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>	2 %	<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 Eutrophic Brown Ferrosol Thin Slightly gravelly Loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Gn4.32

<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, Sparse. \*Species includes - Eulalia aurea, Themeda triandra,  
Chrysopogon fallax

Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus papuana

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus papuana

**Surface Coarse Fragments:** 2-10%, stony, 200-600mm, subrounded, Basalt

**Profile Morphology**

A1	0 - 0.08 m	Dark brown (7.5YR3/4-Moist); ; Clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.03); Gradual change to -
B2	0.08 - 0.3 m	Brown (7.5YR4/4-Moist); ; Light clay; Moderate grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Weak consistence; , Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.25); Gradual change to -
B3	0.3 - 0.65 m	Reddish brown (5YR4/4-Moist); ; Light clay (Light); Moderate grade of structure, 5-10 mm, Polyhedral; Strong grade of structure, 2-5 mm; Rough-ped fabric; Dry; Firm consistence; 50-90%, medium gravelly, 6-20mm, angular, dispersed, Basalt, coarse fragments; , Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6);

**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