

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2056                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<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>	7617975 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	465082    Datum: AGD66	<b>Drainage:</b>	No Data

#### 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 rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-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):** Hardsetting, Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Gn3.13
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<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, Mid-dense. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Eremophila mitchellii  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.1 m	Dark brown (7.5YR3/3-Moist); ; Sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Very few (0 - 2 %), , Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to -
A12	0.1 - 0.22 m	Dark brown (7.5YR3/3-Moist); ; Clay loam; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); Clear change to -
B21	0.22 - 0.4 m	Yellowish red (5YR4/6-Moist); ; Light clay (Heavy); Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.7 m	Olive brown (2.5Y4/4-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Common (10 - 20 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6);
R	0.7 - 0.72 m	Rock

#### 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