

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2408 **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>	10/05/94	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8060 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7907265 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	380037 Datum: AGD66	<b>Drainage:</b>	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 plains <9m 3-10%	<b>Pattern Type:</b>	Plateau
<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):

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Ferrosol Medium Non-gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Gn3.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable

Analytical data are incomplete but reasonable confidence.

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Closed or dense. \*Species includes - Themeda triandra, Heteropogon triticeus

Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Acacia species, Hakea species

Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - Eucalyptus polycarpa, Eucalyptus tereticornis

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

#### Profile Morphology

A11	0 - 0.1 m	Dusky red (2.5YR3/2-Moist); ; Sandy clay loam (Heavy); Moderate grade of structure, 2-5 mm, Granular; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.25 m	Dark reddish brown (2.5YR3/3-Moist); ; Sandy light clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
B21	0.25 - 0.55 m	Dusky red (10R3/4-Moist); ; Light clay (Heavy); Moderate grade of structure, 10-20 mm, Subangular blocky; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.4); Gradual change to -
B22	0.55 - 0.9 m	Dusky red (10R3/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Sandy (grains prominent) fabric; Moderately moist; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.8);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na				%
						Cmol (+)/kg				

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt Clay
								%	

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g -	m3/m3			mm/h

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Laboratory Analyses Completed for this profile