

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2233 **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>	20/10/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7886844 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	292602 Datum: AGD66	<b>Drainage:</b>	Well drained

#### 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, No Data

#### 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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Chromosol Thick Non-gravelly Loamy Clayey Deep		<b>Principal Profile Form:</b>	Dr3.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calcic brown soil
No analytical data are available but confidence is fair.			

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Very sparse. \*Species includes - Unknown species, Unknown species, Unknown species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Acacia species, Unknown species, Erythroxylon australe

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus

**Surface Coarse Fragments:** 0-2%, cobbly, 60-200mm, angular, Sandstone

#### Profile Morphology

A11	0 - 0.08 m	Dark brown (10YR3/3-Moist); ; Sandy loam (Heavy); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 2-10%, medium gravelly, 6-20mm, subangular, Jasper, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.04); Clear
A2	0.08 - 0.3 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, medium gravelly, 6-20mm, subangular, Jasper, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Gradual change to -
B2	0.3 - 1.1 m	Dark red (2.5YR3/6-Moist); , 2.5Y56; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Strong consistence; 2-10%, coarse gravelly, 20-60mm, subangular, Jasper, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , 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	Acidity					%
						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	
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