

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1877 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Barry, Earl	<b>Locality:</b>
<b>Date Desc.:</b> 08/09/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 7958 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7825000 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 292963 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> 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
Manganic Eutrophic Red Ferrosol	<b>Principal Profile Form:</b> Gn4.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> N/A

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, 0.51-1m, Sparse. \*Species includes - Themeda triandra  
 Mid Strata - , , . \*Species includes - None recorded  
 Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 2-10%, medium gravelly, 6-20mm, subrounded, Basalt

#### Profile Morphology

A11	0 - 0.08 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B1	0.08 - 0.22 m	Dark reddish brown (5YR3/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Gradual change to -
B21	0.22 - 0.45 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Gradual change to -
B22	0.45 - 0.7 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Dry; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.7);

#### 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