

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1639 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	22/04/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7958 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7794276 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	293059 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Manganic Eutrophic Red Ferrosol Thin Gravelly Clay-loamy Clayey Deep	<b>Principal Profile Form:</b>	Gn3.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Euchrozem

Analytical data are incomplete but reasonable confidence.

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Heteropogon contortus, Themeda triandra, Chrysopogon fallax Mid Strata - , , . \*Species includes - None recorded

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

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

#### Profile Morphology

A	0 - 0.08 m	Dark reddish brown (5YR3/2-Moist); ; Clay loam; Strong grade of structure, 5-10 mm, Granular; Dry; Weak consistence; Few (2 - 10 %), , , , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.08); Clear change to -
B1	0.08 - 0.45 m	Reddish brown (2.5YR5/4-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded tabular, dispersed, Basalt, coarse fragments; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.3); Diffuse change to -
B2	0.45 - 0.7 m	Dark reddish brown (2.5YR3/4-Moist); ; Light medium clay; Strong grade of structure, 5-10 mm, Polyhedral; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded tabular, dispersed, Basalt, coarse fragments; 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 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