

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1372 **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>	20/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7741310 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	326570 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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, Granite

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Hypercalcic Eutrophic Red Chromosol Medium Non-gravelly Loamy Clayey Deep	<b>Principal Profile Form:</b>	Dr3.12
<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, 0.51-1m, Sparse. \*Species includes - Bothriochloa decipiens, Aristida species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Acacia species  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus quadricostata, Eucalyptus erythrophloia,  
Eucalyptus papuana

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

#### Profile Morphology

A1	0 - 0.1 m	Dark brown (7.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A3	0.1 - 0.2 m	Reddish brown (5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 10-20%, cobbly, 60-200mm, angular, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.15); Clear change to -
B21	0.2 - 0.7 m	Red (2.5YR4/6-Moist); ; Medium clay (Light); Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Very firm consistence; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.6); Gradual change to -
B22	0.7 - 0.85 m	Red (2.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 10-20%, coarse gravelly, 20-60mm, angular, Granite, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6.5 (Raupach, 0.8); Clear change to -
B3	0.85 - 1 m	Yellowish brown (10YR5/4-Moist); Mottles, 2.5YR4/6, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 50-90%, cobbly, 60-200mm, angular, Granite, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; ; Calcareous, ; ; Gypseous, ; ; Field pH 7 (Raupach, 0.9);
R	1 - 1.01 m	Rock

#### Morphological Notes

#### Observation 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			%
0 - 0.1	6.6A								
0.1 - 0.2	6.5A								
0.2 - 0.7	6.5A								
0.85 - 1	7A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension