

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 584 **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>	22/05/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8158-1 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7827002 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	426677 Datum: AGD66	<b>Drainage:</b>	Moderately 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, Siltstone

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillcrest	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	60 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Calcic Red Chromosol Medium Non-gravelly Sandy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dr2.32
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Red podzolic soil

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - , , . \*Species includes - Heteropogon contortus, Bothriochloa species, Chrysopogon fallax  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Eucalyptus erythrophloia  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.15 m	Reddish brown (5YR4/4-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; Slightly plastic; Normal plasticity; Non-sticky; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Few, fine (1-2mm) roots; Sharp change to -
B21	0.15 - 0.35 m	Red (2.5YR4/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Moderately plastic; Normal plasticity; Slightly sticky; , Calcareous, , , , Gypseous, , ; Field pH 7.7 (Raupach, 0.3); Few, fine (1-2mm) roots; Clear change to -
B22	0.35 - 0.5 m	Reddish brown (5YR4/4-Moist); ; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Very plastic; Normal plasticity; Slightly sticky; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.5); Few, fine (1-2mm) roots; Clear change to -
C	0.5 - 0.6 m	; Moderately moist; 50-90%, medium gravelly, 6-20mm, angular platy, dispersed, Siltstone, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

[illegible]

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension