

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 582                      **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>	21/05/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8158-1    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7819537 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	427778    Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	No Data	<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>	Level
<b>Slope:</b>	1 %	<b>Aspect:</b>	90 degrees

**Surface Soil Condition (dry):** Cracking, Self-mulching

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Epipedal Brown Vertosol Non-gravelly Very fine Very fine Deep		<b>Principal Profile Form:</b>	Ug5.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

No analytical data are available but confidence is fair.

**Site Disturbance:** Limited clearing, for example selective logging

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Dichanthium species, Sporobolus species, Cyperus species                      Mid Strata - , , , . \*Species includes - None recorded

Tall Strata - Tree, 1.01-3m, Sparse. \*Species includes - Terminalia oblongata

#### Surface Coarse Fragments:

#### Profile Morphology

A	0 - 0.15 m	Yellowish brown (10YR5/4-Moist); ; Heavy clay; Weak grade of structure, 10-20 mm, Angular blocky; Moderately moist; Strong consistence; Very plastic; Normal plasticity; Moderately sticky; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05); Few, medium (2-5mm) roots; Diffuse change to -
B21	0.15 - 0.6 m	Brown (10YR5/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 10-20 mm, Angular blocky; Moderately moist; Very strong consistence; Very plastic; Normal plasticity; Moderately sticky; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.3); Few, very fine (0-1mm) roots;
B22	0.6 - 1.4 m	Light olive brown (2.5Y5/4-Moist); ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Weak grade of structure, 10-20 mm, Lenticular; Moderately moist; Very strong consistence; Very plastic; Normal plasticity; Moderately sticky; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.9); Field pH 6 (Raupach, 1.4); Few, very fine (0-1mm) roots;
C	1.4 - 1.5 m	; Moderate grade of structure, 20-50 mm, Platy; Moderately moist; Rigid consistence; 50-90%, coarse gravelly, 20-60mm, angular platy, undisturbed, Siltstone, coarse fragments; , Calcareous, , , , Gypseous, , ,

#### 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