

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 807 **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>	16/10/91	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8156 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7701280 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	424284 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>	Existing vertical exposure, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<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
Haplic Eutrophic Black Chromosol Medium Non-gravelly Silty Clayey Deep	<b>Principal Profile Form:</b>	Dd2.42
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodic 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 - Sporobolus species  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

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

#### Profile Morphology

A1j	0 - 0.01 m	Dark grey (10YR4/1-Moist); ; Silty clay loam; Massive grade of structure; Dry; Weak consistence; ; Calcareous, , ; , Gypseous, , ;
A21	0.01 - 0.12 m	Dark grey (10YR4/1-Moist); ; Silty clay loam; Massive grade of structure; Dry; Weak consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05);
B21	0.12 - 0.4 m	Very dark grey (10YR3/1-Moist); , 2.5Y32; Heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Dry; Very strong consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.2);
B22	0.4 - 1 m	Grey (10YR5/1-Moist); , 2.5Y32; Heavy clay; Moderate grade of structure, 50-100 mm, Subangular blocky; Dry; Very strong consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7.6 (Raupach, 0.7);
B23	1 - 1.2 m	Dark grey (10YR4/1-Moist); Mottles, 2-10% , 0-5mm, Faint; Mottles, 2-10% ; Heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ;

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

[illegible][illegible][illegible]

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension