

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1736 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Bright, J (Mitch)	<b>Locality:</b>
<b>Date Desc.:</b> 22/07/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8155 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7635047 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 429106 Datum: AGD66	<b>Drainage:</b> Imperfectly drained

#### 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> Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b> Gently undulating plains <9m 1-3%	<b>Pattern Type:</b> Plain
<b>Morph. Type:</b> Simple-slope	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Very gently sloped
<b>Slope:</b> 1 %	<b>Aspect:</b> No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Bleached Eutrophic Red Kandosol Medium Non-gravelly Clay-loamy Clayey Deep	<b>Principal Profile Form:</b> Gn4.2
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> No suitable group
Confidence level not specified	

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

**Vegetation:** Low Strata - Hummock grass, 0.26-0.5m, Sparse. \*Species includes - Triodia mitchellii, Aristida species, Themeda

Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus melanophloia

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus melanophloia

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

#### Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Fine sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Gradual change to -
A12	0.1 - 0.32 m	Strong brown (7.5YR5/6-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.15); Gradual change to -
A13	0.32 - 0.6 m	Yellowish brown (10YR5/8-Moist); ; Sandy clay loam (Heavy); Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.5); Clear change to -
A2e	0.6 - 0.7 m	Brownish yellow (10YR6/6-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, Ironstone, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.65); Clear change to -
B2	0.7 - 1 m	Dark red (2.5YR3/8-Moist); ; Light clay; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 0.8);

#### 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			%

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Laboratory Analyses Completed for this profile