

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1479                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	14/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7696623 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	363488    Datum: AGD66	<b>Drainage:</b>	Moderately well 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>	Undulating plains <9m 3-10%	<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>	Gently inclined
<b>Slope:</b>	4 %	<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 Red Kandosol Thin Non-gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Gn4.12

<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
No analytical data are available but confidence is fair.			

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

**Vegetation:** Low Strata - Hummock grass, 0.51-1m, Very sparse. \*Species includes - Triodia mitchellii, Aristida species, Heteropogon contortus                      Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Acacia species, Petalostigma pubescens

Tall Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus setosa, Eucalyptus similis, Acacia species

**Surface Coarse Fragments:** 0-2%, , subangular, Shells

#### Profile Morphology

A1	0 - 0.06 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.06 - 0.29 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.25); Gradual change to -
B21	0.29 - 0.6 m	Red (2.5YR4/8-Moist); ; Light clay; Weak grade of structure, 5-10 mm, Polyhedral; Rough-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.5);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Na	Acidity			%
0 - 0.06	5.4A									
0.06 - 0.29	5.7A									
0.29 - 0.6	5.9A									

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension