

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2229 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Rogers, Gary	<b>Locality:</b>	
<b>Date Desc.:</b>	03/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7851020 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	329014 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>	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 Red Dermosol Thin Non-gravelly Clay-loamy Clayey Deep		<b>Principal Profile Form:</b>	Gn3.13
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	No suitable

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa species, Chrysopogon fallax, Aristida species, Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Unknown species, Acacia species, Eremophila mitchellii

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus cambageana, Eucalyptus crebra

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

#### Profile Morphology

A1	0 - 0.04 m	Reddish brown (5YR4/3-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.02); Abrupt change to -
A3	0.04 - 0.28 m	Reddish brown (5YR4/4-Moist); ; Fine sandy light clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.2); Clear change to -
B21	0.28 - 0.6 m	Yellowish red (5YR4/6-Moist); ; Silty light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.4); Clear change to -
B22	0.6 - 0.75 m	Yellowish red (5YR5/6-Moist); ; Silty light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.65); Clear change to -
B23	0.75 - 1.1 m	Yellowish red (5YR5/6-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 1);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		g/g - m <sup>3</sup> /m <sup>3</sup>							mm/h	mm/h
0.00	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.05	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.10	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.15	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.20	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.25	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.30	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.35	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.40	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.45	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.50	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.55	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.60	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.65	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.70	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.75	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.80	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.85	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.90	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
0.95	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.00	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.05	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.10	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.15	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.20	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.25	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.30	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.35	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.40	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.45	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.50	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.55	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.60	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.65	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.70	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.75	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.80	0.00	68.9	68.9	68.9	68.9	68.9	68.9	68.9	0.00	0.00
1.85	0									

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Laboratory Analyses Completed for this profile