

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1940 **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>	23/09/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7858 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7815466 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	254542 Datum: AGD66	<b>Drainage:</b>	Moderately well drained

#### 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, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<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 Chromosol Medium Slightly gravelly		<b>Principal Profile Form:</b>	Dr2.12
Clay-loamy Clayey Moderately deep			
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Non-calcic brown soil
No analytical data are available but confidence is fair.			

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Themeda triandra, Chrysopogon fallax, Heteropogon  
contortus Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

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

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, angular, Quartz

#### Profile Morphology

A	0 - 0.1 m	Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.3 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to -
B22	0.3 - 0.8 m	Red (2.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6); Gradual change to -
C	0.8 - 1.2 m	; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (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	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.05	0.05	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.10	0.10	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.15	0.15	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.20	0.20	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.25	0.25	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.30	0.30	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.35	0.35	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.40	0.40	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.45	0.45	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.50	0.50	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.55	0.55	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.60	0.60	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.65	0.65	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.70	0.70	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.75	0.75	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.80	0.80	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.85	0.85	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.90	0.90	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
0.95	0.95	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.00	1.00	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.05	1.05	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.10	1.10	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.15	1.15	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.20	1.20	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.25	1.25	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.30	1.30	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.35	1.35	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.40	1.40	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.45	1.45	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.50	1.50	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.55	1.55	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.60	1.60	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.65	1.65	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.70	1.70	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.75	1.75	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.80	1.80	0.98	0.96	0.94	0.92	0.90	0.88	0.86	0.84	0.82
1.85	1.85	0.98	0.96	0.94	0.9					

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Laboratory Analyses Completed for this profile