

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1173 **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>	04/06/92	<b>Elevation:</b>	300 metres
<b>Map Ref.:</b>	Sheet No. : 8058 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7795323 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	389392 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>	Mid-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
Mottled Eutrophic Brown Dermosol Thick Loamy Clayey Deep		<b>Principal Profile Form:</b>	Dy3.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Yellow podzolic 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 - Heteropogon contortus, Chrysopogon fallax,  
Bothriochloa species Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra, Petalostigma pubescens

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

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

#### Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.05); Clear change to -
A2	0.1 - 0.33 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 5.8 (Raupach, 0.2); Gradual change to -
B21	0.33 - 0.7 m	Yellowish brown (10YR5/6-Moist); Mottles, 10-20% ; Mottles, 10-20% ; Light medium clay; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (Raupach, 0.5); Clear change to -
B22	0.7 - 1 m	Brown (10YR5/3-Moist); Mottles, 20-50% ; Mottles, 20-50% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; ; Calcareous, ; ; Gypseous, ; ; Field pH 6 (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	%
0 - 0.1	6A							
0.1 - 0.33	6.2A							
0.33 - 0.7	6.5A							
0.7 - 1	6.9A							

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension