

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1728 **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> 14/05/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8055 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7676366 AMG zone: 55	<b>Runoff:</b> Very slow
<b>Easting/Lat.:</b> 394027 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> Level plain <9m <1%	<b>Pattern Type:</b> Alluvial plain
<b>Morph. Type:</b> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<b>Slope Category:</b> Level
<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
Haplic Eutrophic Brown Kandosol Medium Non-gravelly	<b>Principal Profile Form:</b> Gn4
Loamy Clay-loamy Moderately deep	

<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 - Tussock grass, 0.51-1m, Very sparse. \*Species includes - None recorded  
 Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus melanophloia  
 Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus melanophloia, Eucalyptus brownii,  
 Eucalyptus polycarpa

#### Surface Coarse Fragments:

#### Profile Morphology

A11	0 - 0.11 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.11 - 0.27 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.2); Clear change to -
B1	0.27 - 0.5 m	Brown (7.5YR4/4-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4); Clear change to -
B21	0.5 - 0.7 m	Strong brown (7.5YR4/6-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.6);
B22	0.7 - 0.8 m	Strong brown (7.5YR5/8-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.75);

#### 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			%		
Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle GV	Size CS	Analysis FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		
Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat		
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar				
					g/g -	m3/m3				mm/h	mm/h	

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Laboratory Analyses Completed for this profile