

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1290 **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>	23/07/92	<b>Elevation:</b>	308 metres
<b>Map Ref.:</b>	Sheet No. : 8059 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7856684 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	357965 Datum: AGD66	<b>Drainage:</b>	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>	No Data
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	No Data	<b>Slope Category:</b>	Level
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Basic Paralithic Orthic Tenosol Medium Non-gravelly Sandy	<b>Principal Profile Form:</b>	Uc5.21
Sandy Moderately deep	<b>Great Soil Group:</b>	Siliceous sand

**ASC Confidence:**  
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 - Chrysopogon fallax, Heteropogon contortus, Digitaria species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra

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

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

#### Profile Morphology

A11	0 - 0.03 m	Dark brown (10YR3/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
A12	0.03 - 0.17 m	Dark brown (7.5YR3/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 10-20%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.17 - 0.28 m	Strong brown (7.5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
B3	0.28 - 0.45 m	Strong brown (7.5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.4);

#### 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	CS	Size FS	Analysis 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