

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1212 **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> 18/06/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8059 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7852102 AMG zone: 55	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 353831 Datum: AGD66	<b>Drainage:</b> 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> Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b> Rises
<b>Morph. Type:</b> Simple-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 Mesotrophic Grey Chromosol Medium Slightly gravelly Sandy Clayey Moderately deep	<b>Principal Profile Form:</b> Uc5.11
<b>ASC Confidence:</b> No analytical data are available but confidence is fair.	<b>Great Soil Group:</b> Siliceous sand

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

**Vegetation:** Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Heteropogon contortus, Chrysopogon fallax,

Phynchelytrum repens Mid Strata - , , . \*Species includes - None recorded

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

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

#### Profile Morphology

A11	0 - 0.12 m	Dark brown (10YR3/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05);
A12	0.12 - 0.27 m	Yellowish brown (10YR5/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 20-50%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.25);
A13	0.27 - 0.5 m	Brown (10YR5/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; 50-90%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.45);
B3	0.5 - 0.7 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 10YR56, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light medium clay; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; 50-90%, medium gravelly, 6-20mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.7);
C	0.7 - 0.8 m	; , Calcareous, , ; , Gypseous, , ;

#### 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