

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1330 **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> 06/08/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8059 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7897486 AMG zone: 55	<b>Runoff:</b> Moderately rapid
<b>Easting/Lat.:</b> 362974 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> 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
Mottled Eutrophic Grey Chromosol Medium Slightly gravelly Clay-loamy Clayey Moderately deep	<b>Principal Profile Form:</b> Dy3.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Gleyed 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, 0.51-1m, Mid-dense. \*Species includes - Bothriochloa decipiens, Heteropogon contortus,

Themeda triandra Mid Strata - , , . \*Species includes - None recorded

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

**Surface Coarse Fragments:** 2-10%, coarse gravelly, 20-60mm, subangular, Quartz sandstone

#### Profile Morphology

A11	0 - 0.09 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subangular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A12	0.09 - 0.2 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 10-20%, medium gravelly, 6-20mm, subangular, Substrate material, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.4 m	Pink (5YR7/4-Moist); Mottles, 10YR53, 20-50% , Distinct; Mottles, 20-50% ; Light medium clay (Heavy); Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
B22	0.4 - 0.55 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Few (2 - 10 %), Manganiferous, , Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Clear change to -
B23	0.55 - 0.75 m	Olive grey (5Y4/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.7);

#### 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	Acidity					%
						Cmol (+)/kg						

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle		Size	Analysis	
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt	Clay
										%		

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