

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1792 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b> Barry, Earl	<b>Locality:</b>
<b>Date Desc.:</b> 06/09/93	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 7854 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7842768 AMG zone: 55	<b>Runoff:</b> Rapid
<b>Easting/Lat.:</b> 264784 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, Shale

#### Land Form

<b>Rel/Slope Class:</b> Undulating low hills 30-90m 3-10%	<b>Pattern Type:</b> Low hills
<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 Brown Dermosol	<b>Principal Profile Form:</b> Gn3.91
<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, Mid-dense. \*Species includes - Phynchelytrum repens, Themeda triandra, Bothriochloa ewartiana Mid Strata - , , . \*Species includes - None recorded

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

**Surface Coarse Fragments:** 50-90%, coarse gravelly, 20-60mm, subangular platy, Shale

#### Profile Morphology

A11	0 - 0.1 m	Very dark greyish brown (2.5Y3/2-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; 2-10%, medium gravelly, 6-20mm, subangular, Shale, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.3 m	Dark greyish brown (2.5Y4/2-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; 10-20%, medium gravelly, 6-20mm, subangular, Shale, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Gradual change to -
B21	0.3 - 0.7 m	Greyish brown (2.5Y5/3-Moist); Substrate influence, 5YR46, 10-20% , 5-15mm, Prominent; Substrate influence, 10-20% ; Silty light medium clay; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; 10-20%, coarse gravelly, 20-60mm, subangular, Shale, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.5); Gradual change to -
B22	0.7 - 1.2 m	Light brownish grey (2.5Y6/3-Moist); Substrate influence, 2.5YR36, 10-20% , 5-15mm, Prominent; Substrate influence, 10-20% ; Silty light medium clay; Moderate grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Dry; 20-50%, coarse gravelly, 20-60mm, subangular, Shale, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 1);
BC	1.2 - 1.25 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