

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1737 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Bright, J (Mitch)	<b>Locality:</b>	
<b>Date Desc.:</b>	22/07/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7634099 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	430064 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Drainage depression	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Class Undetermined Eutrophic Grey Dermosol Medium Non-gravelly Clayey Clayey Deep	<b>Principal Profile Form:</b>	Uf1.41
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable group
Confidence level not specified		

**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, Dichanthium sericeum, Themeda triandra Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus brownii, Eucalyptus melanophloia

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

Lysiphillum

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, rounded, Ironstone

#### Profile Morphology

A1	0 - 0.15 m	Dark brown (10YR3/3-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.1); Clear change to -
B1	0.15 - 0.3 m	Grey (10YR5/1-Moist); Mottles, 10YR56, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.25); Gradual change to -
B22	0.3 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.6); Gradual change to -
B23	0.8 - 0.9 m	Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.85); Gradual change to -
B24	0.9 - 1 m	Dark greyish brown (2.5Y4/2-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.95);

#### 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