

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 995 **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>	16/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7756577 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	393429 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	Existing vertical exposure, 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>	Lower-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Gully	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Bleached Eutrophic Yellow Chromosol Medium Very gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy2.42
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable

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, <0.25m, Very sparse. \*Species includes - Cynodon dactylon, Iseilema species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus brownii, Eremophila mitchellii  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus brownii

**Surface Coarse Fragments:** 50-90%, medium gravelly, 6-20mm, rounded tabular,

#### Profile Morphology

A11	0 - 0.03 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.02);
A12	0.03 - 0.15 m	Red (2.5YR5/6-Moist); ; Loamy sand; Massive grade of structure; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.1); Field pH 6 (Raupach, 0.15);
B21e	0.15 - 0.25 m	Brown (10YR5/3-Moist); ; Light clay; Massive grade of structure; Dry; 20-50%, medium gravelly, 6-20mm, rounded tabular, dispersed, coarse fragments; , Calcareous, , ; , Gypseous, ,
B22	0.25 - 0.6 m	Brownish yellow (10YR6/6-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6);

#### 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					%
							(+)/kg					
0.25 - 0.6	7.2A											
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			%		
0.25 - 0.6												
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
0.25 - 0.6												

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension