

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 989 **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>	15/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7738912 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	363783 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>	Existing vertical exposure, No Data

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<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
Haplic Eutrophic Red Dermosol Medium Moderately gravelly Clay-loamy Clayey Moderately deep		<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>	No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Non-calcic brown soil

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa ewartiana, Chrysopogon fallax  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Atalaya hemiglauc  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

**Surface Coarse Fragments:** 20-50%, medium gravelly, 6-20mm, angular, Quartz

**Profile Morphology**

A11	0 - 0.03 m	Dark reddish brown (5YR3/4-Moist); ; Fine sandy clay loam; Massive grade of structure; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A13	0.03 - 0.15 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam, fine sandy; Weak grade of structure, 10-20 mm, Subangular blocky; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Diffuse change to -
B21	0.15 - 0.6 m	Dark red (10R3/6-Moist); ; Light medium clay; Moderate grade of structure, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; 0-2%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Diffuse change to -
B22	0.6 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Moderate grade of structure, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; 10-20%, coarse gravelly, 20-60mm, angular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.8);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations		Exchangeable Acidity		CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na			
						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
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar	
m					g/g - m3/m3				mm/h mm/h

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Laboratory Analyses Completed for this profile