

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1611 **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>	02/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7843874 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	318237 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, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<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>	5 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Loose, Firm

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Brown Chromosol Medium Moderately gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy5.22
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Yellow podzolic soil
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 - Heteropogon contortus, Bothriochloa  
insculpta

Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus crebra, Acacia species

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

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

#### Profile Morphology

A1	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam; Massive grade of structure; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, ; , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2	0.09 - 0.26 m	Brown (10YR4/3-Moist); ; Sandy loam (Light); Massive grade of structure; Dry; Very firm consistence; 20-50%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2); Abrupt change to -
B21	0.26 - 0.65 m	Yellowish brown (10YR5/8-Moist); ; Sandy light medium clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Gradual change to -
B22	0.65 - 0.95 m	Yellowish brown (10YR5/6-Moist); Mottles, 2.5YR4/8, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Sandy light clay; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.9);

#### 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	CS	Size FS	Analysis 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