

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1791 **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>	25/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7859 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7869626 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	274657 Datum: AGD66	<b>Drainage:</b>	Well 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, Siltstone

#### Land Form

<b>Rel/Slope Class:</b>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<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>	4 %	<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 Chromosol		<b>Principal Profile Form:</b>	Db2.13
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	No suitable group

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, 0.26-0.5m, Sparse. \*Species includes - None recorded  
Mid Strata - Tree, 1.01-3m, Very sparse. \*Species includes - Bursaria incana  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus species

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, subangular, Quartz

#### Profile Morphology

A11	0 - 0.03 m	Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.02); Abrupt change to -
B21	0.03 - 0.13 m	Dark greyish brown (2.5Y4/3-Moist); ; Sandy light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.1); Clear change to -
BC	0.13 - 0.36 m	Dark greyish brown (2.5Y4/3-Moist); Substrate influence, 2.5Y56, 20-50% , 5-15mm, Prominent; Substrate influence, 20-50% ; Sandy light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Clear change to -
C	0.36 - 1.2 m	; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9 (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	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