

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1619                      **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>	03/11/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7959    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7859635 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	329279    Datum: AGD66	<b>Drainage:</b>	Moderately 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, No Data

**Land Form**

<b>Rel/Slope Class:</b>	Undulating plains <9m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	1 %	<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 Brown Dermosol Medium Non-gravelly Silty Clayey Deep		<b>Principal Profile Form:</b>	Gn3.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Brown earth

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 - Bothriochloa species, Cyperus species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus brownii, Atalaya hemiglauc  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii, Eucalyptus crebra

**Surface Coarse Fragments:** No surface coarse fragments

**Profile Morphology**

A1	0 - 0.2 m	Dark brown (7.5YR3/4-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
B21	0.2 - 0.65 m	Brown (7.5YR4/4-Moist); ; Silty light clay; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4); Field pH 7 (Raupach, 0.6); Clear change to -
B22	0.65 - 0.7 m	Brown (7.5YR4/4-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Gradual change to
B23	0.7 - 1.2 m	Dark reddish brown (2.5YR3/3-Moist); Mottles, 7.5YR4/4, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Light clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 1);

**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