

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 2058                      **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>	08/06/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8254    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7612596 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	465001    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>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**    Hardsetting, Cryptogam surface

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Red Chromosol Medium Non-gravelly	<b>Principal Profile Form:</b>	Dr3.13
Loamy Clayey Moderately deep	<b>Great Soil Group:</b>	Red podzolic soil

**ASC Confidence:**    No analytical data are available but confidence is fair.

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

**Vegetation:**    Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. \*Species includes - Triodia mitchellii  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Eucalyptus shirleyi  
Tall Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus shirleyi

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

**Profile Morphology**

A1	0 - 0.1 m	Yellowish red (5YR4/6-Moist); ; Sandy loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
B21	0.1 - 0.25 m	Red (2.5YR4/8-Moist); Mottles, 2.5Y54, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Clay loam, sandy (Heavy); Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.2); Clear change to -
B22	0.25 - 0.4 m	Light olive brown (2.5Y5/4-Moist); ; Sandy light clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 8.5 (Raupach, 0.35);
BC	0.4 - 1.5 m	; Dry; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 1.2);

**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