

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1727                      **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>	14/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8055    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7674620 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	389247    Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	Level plain <9m <1%	<b>Pattern Type:</b>	Plain
<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 Chromosol Medium Non-gravelly Clay-loamy Clayey Shallow		<b>Principal Profile Form:</b>	Dy3.32
<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, Very sparse. \*Species includes - Enteropogon species  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus brownii, Lysiphillum carronii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii, Acacia argyrodendron

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.1 m	Brown (10YR4/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.1 - 0.22 m	Yellowish brown (10YR5/4-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); Clear change to -
B2	0.22 - 0.45 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Sandy light medium clay; Moderate grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4);

**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		Size	Analysis
m	%	%	mg/kg	%	%	%	Mg/m3	GV	CS	FS	Silt Clay
										%	
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