

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1567                      **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>	29/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7956    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7727502 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	324187    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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Hills
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	%	<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 Mesotrophic Brown Chromosol Thick Non-gravelly Sandy Clayey Moderately deep		<b>Principal Profile Form:</b>	Db1.22
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A
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, Aristida species  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eucalyptus crebra, Acacia species  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus crebra

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

**Profile Morphology**

A11	0 - 0.15 m	Dark brown (7.5YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.15 - 0.35 m	Strong brown (7.5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to -
A2	0.35 - 0.5 m	Dark yellowish brown (10YR4/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; 20-50%, fine gravelly, 2-6mm, angular, Quartz, coarse fragments; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.45); Clear change to -
B2	0.5 - 1.1 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Fine (1-2mm) macropores, Dry; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Laminae; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.8);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0.5 - 1.1	6.8A									

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			%		
0.5 - 1.1												

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	mm/h	mm/h
0.5 - 1.1					g/g - m3/m3					

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension