

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1384                      **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>	21/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 7957    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7786684 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	299168    Datum: AGD66	<b>Drainage:</b>	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 plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Flat	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	1 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):**    Hardsetting, Surface crust

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Ferrosol Thin Non-gravelly Clayey Clayey Moderately deep		<b>Principal Profile Form:</b>	Uf6.21
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Euchrozem
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, 0.51-1m, Mid-dense. \*Species includes - Themeda triandra, Heteropogon  
contortus,

Bothriochloa species                      Mid Strata - , , . \*Species includes - None recorded

Brachychiton                      Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus orgadophylla, Eucalyptus crebra,  
populneus

**Surface Coarse Fragments:** 0-2%, stony, 200-600mm, subangular, Basalt

**Profile Morphology**

A1	0 - 0.06 m	Dark reddish brown (5YR3/3-Moist); ; Light clay; Weak grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.03); Clear change to -
B21	0.06 - 0.4 m	Dark reddish brown (2.5YR3/4-Moist); ; Light clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm <sup>2</sup> ) Very fine (0.075-1mm) macropores, Dry; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B22	0.4 - 0.8 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Very fine (0.075-1mm) macropores, Dry; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.7);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC		Exchangeable Cations		Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m	Ca	Mg	K	Na Cmol (+)/kg			%
0 - 0.06	6.8A								
0.06 - 0.4	6.9A								
0.4 - 0.8	6.8A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension