

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 831                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Site Information**

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	22/10/91	<b>Elevation:</b>	260 metres
<b>Map Ref.:</b>	Sheet No. : 8156    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7686050 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	402920    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	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>	Gently inclined
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Cracking, Self-mulching

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Endocalcareous Self-Mulching Grey Vertosol Non-gravelly	<b>Principal Profile Form:</b>	Ug5.24
Medium fine Very fine Moderately deep		
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Grey clay
No analytical data are available but confidence is fair.		

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:** Low Strata - , , . \*Species includes - None recorded  
Mid Strata - Tree, 1.01-3m, Isolated plants. \*Species includes - Lysiphillum hookeri  
Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.02 m	Dark greyish brown (10YR4/2-Moist); ; Moderate grade of structure, 5-10 mm, Subangular blocky; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ;
A12	0.02 - 0.15 m	Dark greyish brown (10YR4/2-Moist); ; Massive grade of structure; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05);
B21	0.15 - 0.4 m	Dark greyish brown (2.5Y4/2-Moist); ; Weak grade of structure, Subangular blocky; Moderately moist; Very strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.3);
B22	0.4 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); Mottles, 2.5Y41, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Strong grade of structure, 2-5 mm, Angular blocky; Moderately moist; Very strong consistence; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Concretions; , Gypseous, , , ; Field pH 9.5 (Raupach, 0.8);

**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			%
0.4 - 0.8	8.7A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension