

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 936                      **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>	15/08/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8156    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7706750 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	415637    Datum: AGD66	<b>Drainage:</b>	No Data

**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>	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):**    Cracking, Surface crust

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Endoacidic Crusty Grey Vertosol Slightly gravelly Medium fine Very fine Deep	<b>Principal Profile Form:</b>	Ug5.24
<b>ASC Confidence:</b> No analytical data are available but confidence is fair.	<b>Great Soil Group:</b>	Grey clay

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

**Vegetation:**

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.01 m	Grey (10YR5/1-Moist); ; Light medium clay; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ;
A12	0.01 - 0.1 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Medium clay; Smooth-ped fabric; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05);
B21	0.1 - 0.7 m	Greyish brown (10YR5/2-Moist); ; Medium clay; Smooth-ped fabric; Common cutans, 10-50% of ped faces or walls coated, distinct; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , , ; Field pH 8 (Raupach, 0.5);
B22	0.7 - 1.4 m	Brown (10YR5/3-Moist); ; Medium clay; Smooth-ped fabric; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , , , Gypseous, , , ; Field pH 4.5 (Raupach, 1.4);

**Morphological Notes**

**Observation Notes**

**Site Notes**

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Ca	Exchangeable	Cations	Exchangeable	CEC	ECEC	ESP
m		dS/m		Mg	K	Na	Acidity		%
						Cmol (+)/kg			
0.01 - 0.1	6.2A								
0.1 - 0.7	7.4A								
0.7 - 1.4	5.7A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension