

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 930 **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>	14/05/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8156 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7702638 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	418844 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Cracking, Surface flake

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Epicalcareous Epipedal Grey Vertosol Non-gravelly Medium fine Very fine Very deep	<b>Principal Profile Form:</b>	Ug5.24
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Grey clay
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, Sparse. \*Species includes - Dichanthium sericeum, Bothriochloa species  
 Mid Strata - , , . \*Species includes - None recorded  
 Tall Strata - , , . \*Species includes - None Recorded

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, subrounded, Quartz

#### Profile Morphology

A11	0 - 0.01 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Moderate grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Moderately moist; Very weak consistence; Few (2 - 10 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 0.01);
A12	0.01 - 0.02 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Massive grade of structure; Smooth-ped fabric; Moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 9.5 (Raupach, 0.02);
A13	0.02 - 0.65 m	Dark greyish brown (2.5Y4/2-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 9.5 (Raupach, 0.5);
B21	0.65 - 1.1 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 9.5 (Raupach, 1);
B22	1.1 - 1.7 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; Common cutans, 10-50% of ped faces or walls coated; Few (2 - 10 %), Calcareous, Medium (2 - 6 mm), Soft segregations; , Gypseous, , ; Field pH 9.5 (Raupach, 1.5);
B23k	1.7 - 2 m	Olive (5Y5/3-Moist); ; Medium heavy clay; Massive grade of structure; Smooth-ped fabric; Moderately moist; Very firm consistence; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Concretions; , Gypseous, , ; Field pH 9.5 (Raupach, 2);

#### 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	Acidity		%
						Cmol (+)/kg			
0 - 0.01	7.3A								
0.65 - 1.1	8.5A								
1.7 - 2	8.8A								

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension