

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1148 **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>	02/05/92	<b>Elevation:</b>	380 metres
<b>Map Ref.:</b>	Sheet No. : 8053 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7802582 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	351471 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>	Undisturbed soil core, 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>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Epicalcareous Crusty Black Vertosol Non-gravelly Medium fine Very fine Deep	<b>Principal Profile Form:</b>	Ug5.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Black earth

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, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa pertusa, Cynodon dactylon, Urochloa mosambicensis Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Melaleuca bracteata

Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus tereticornis, Eucalyptus crebra

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, subrounded, Calcarenite

#### Profile Morphology

A11	0 - 0.2 m	Very dark greyish brown (10YR3/2-Moist); ; Medium heavy clay; Weak grade of structure, Angular blocky; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 8 (Raupach, 0.1); Clear change to -
B21	0.2 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Moderate grade of structure, Angular blocky; , Lenticular; Common cutans, 10-50% of ped faces or walls coated; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 0.4); Gradual change to -
B22	0.45 - 1.4 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, Lenticular; Many cutans, >50% of ped faces or walls coated; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 1.4);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

0 - 0.2	7.7A
0.2 - 0.45	7.9A
0.45 - 1.4	8A

0 - 0.2  
0.2 - 0.45  
0.45 - 1.4

0 - 0.2  
0.2 - 0.45  
0.45 - 1.4

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension