

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1459 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Bright, J (Mitch)	<b>Locality:</b>	
<b>Date Desc.:</b>	01/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7724762 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	389374 Datum: AGD66	<b>Drainage:</b>	Imperfectly 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>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Endocalcareous Massive Grey Vertosol		<b>Principal Profile Form:</b>	Ug5.4
<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, 0.51-1m, Very sparse. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eremophila mitchellii, Acacia argyrodendron,  
Terminalia oblongata  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Acacia argyrodendron, Eucalyptus brownii,  
Lysiphillum

**Surface Coarse Fragments:** 0-2%, coarse gravelly, 20-60mm, subangular, Quartz

#### Profile Morphology

A1	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.07 - 0.25 m	Very dark grey (10YR3/1-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.2); Gradual change to -
B2	0.25 - 0.5 m	Dark grey (10YR4/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 9.5 (Raupach, 0.5);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

0 - 0.07	6.6A
0.25 - 0.5	8.9A

0 - 0.07  
0.25 - 0.5

0 - 0.07  
0.25 - 0.5

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension