

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2178 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	05/08/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8155 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7659640 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	443243 Datum: AGD66	<b>Drainage:</b>	Poorly 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>	No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial plain
<b>Morph. Type:</b>	No Data	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Level
<b>Slope:</b>	%	<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
Haplic Massive Black Vertosol		<b>Principal Profile Form:</b>	Ug5.4
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	N/A

No analytical data are available but confidence is fair.

**Site Disturbance:** Limited clearing, for example selective logging

#### Vegetation:

Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - None recorded  
Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Eremophila mitchellii  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Acacia harpophylla, Eucalyptus coolibah, Lysiphillum

carronii

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

A11	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); ; Silty light clay; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 5.5 (Raupach, 0.15); Clear change to -
B21	0.18 - 0.5 m	Very dark grey (10YR3/1-Moist); ; Silty medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear change to -
B22	0.5 - 1 m	Dark grey (10YR4/1-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , Gypseous, , ; Field pH 9 (Raupach, 0.7); Clear change to -
B23	1 - 1.2 m	Dark brown (7.5YR3/2-Moist); ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 1.2);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

Depth	pH	1:5 EC	Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
		Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg			%

Depth	CaCO3	Organic	Avail.	Total	Total	Total	Bulk	Particle		Size	Analysis	
		C	P	P	N	K	Density	GV	CS	FS	Silt	Clay
m	%	%	mg/kg	%	%	%	Mg/m3			%		

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Laboratory Analyses Completed for this profile