

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1759 **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>	14/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8055 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7673082 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	389454 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, Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Self-Mulching Brown Vertosol Non-gravelly Fine Medium fine Deep	<b>Principal Profile Form:</b>	Ug5.6
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	N/A
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, <0.25m, Isolated plants. \*Species includes - None recorded  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Acacia argyrodendron, Acacia cambagei  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Acacia argyrodendron, Acacia cambagei

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

#### Profile Morphology

A11	0 - 0.04 m	Dark greyish brown (2.5Y4/2-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Lenticular; Rough-ped fabric; Medium, (5 - 10) mm crack; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03);
B21	0.04 - 0.4 m	Dark greyish brown (2.5Y4/3-Moist); Mottles, 2.5Y56, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Coarse, (10 - 20) mm crack; Dry; Very strong consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.3);
B22	0.4 - 0.95 m	Olive (5Y5/3-Moist); ; Medium clay; Moderately moist; Strong consistence; Very few (0 - 2 %), Manganiferous, , Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.95);

#### 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 Cmol (+)/kg	Acidity			%

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

Depth	COLE	Gravimetric/Volumetric Water Contents						K sat	K unsat	
m		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
					g/g -	m3/m3			mm/h	mm/h

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Laboratory Analyses Completed for this profile