

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 787 **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>	03/10/91	<b>Elevation:</b>	240 metres
<b>Map Ref.:</b>	Sheet No. : 8156 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7716612 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	415651 Datum: AGD66	<b>Drainage:</b>	No Data

#### 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>	Undisturbed soil core, No Data

#### Land Form

<b>Rel/Slope Class:</b>	Level plain <9m <1%	<b>Pattern Type:</b>	Alluvial 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
Haplic Crusty 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:** Extensive clearing, for example poisoning, ringbarking

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Digitaria brownii, Pennisetum species  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Acacia cambagei

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

#### Profile Morphology

A11	0 - 0.02 m	Grey (2.5Y5/1-Moist); Mottles, 2.5Y68, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Silty medium clay; Massive grade of structure; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Clear change to -
A12	0.02 - 0.3 m	Grey (2.5Y5/1-Moist); ; Silty medium clay; Moderate grade of structure, 50-100 mm, Angular blocky; Moderate grade of structure, 20-50 mm, Angular blocky; Dry; Very strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Gradual change to -
B21	0.3 - 0.8 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Moderately moist; Very firm consistence; Few cutans, <10% of ped faces or walls coated, faint; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.6); Clear change to -
B22	0.8 - 1.8 m	Light yellowish brown (10YR6/4-Moist); ; Light clay; Massive grade of structure; Moderately moist; Very weak consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 9 (Raupach, 1.5);

#### Morphological Notes

#### Observation Notes

#### Site Notes

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Laboratory Test Results:

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

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

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

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Laboratory Analyses Completed for this profile