

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1834                      **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>	28/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7628588 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	487245    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>	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>	1 %	<b>Aspect:</b>	No Data

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Crusty Grey Vertosol Non-gravelly Fine Very fine Very deep		<b>Principal Profile Form:</b>	Ug5.24
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

Analytical data are incomplete but reasonable confidence.

**Site Disturbance:** Complete clearing. Pasture, native or improved, but never cultivated

**Vegetation:**    Low Strata - , , . \*Species includes - None recorded  
                         Mid Strata - Tree, 3.01-6m, Mid-dense. \*Species includes - Acacia argyrodendron, Acacia cambagei, Terminalia oblongata  
                         Tall Strata - Tree, 12.01-20m, Mid-dense. \*Species includes - Acacia argyrodendron, Eucalyptus coolibah

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.01 m	Brown (10YR5/3-Moist); ; Medium clay; Weak grade of structure, 2-5 mm, Platy; Smooth-ped fabric; Dry; Very weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.01);
A12	0.01 - 0.1 m	Yellowish brown (10YR5/4-Moist); ; Medium heavy clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , ; Gypseous, , ; Field pH 7.5 (Raupach, 0.08);
B2	0.1 - 0.7 m	Greyish brown (10YR5/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few cutans, <10% of ped faces or walls coated, distinct; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , , ; Gypseous, , ; Field pH 8 (Raupach, 0.7);

**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