

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1824                      **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>	26/05/93	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8255    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7652562 AMG zone: 55	<b>Runoff:</b>	No Data
<b>Easting/Lat.:</b>	477804    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>	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>	Gently inclined
<b>Slope:</b>	3 %	<b>Aspect:</b>	No Data

**Surface Soil Condition (dry):** Self-mulching, Cracking

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>	Calcareous Self-Mulching Brown Vertosol Non-gravelly Fine Very fine Deep	<b>Mapping Unit:</b>	N/A
		<b>Principal Profile Form:</b>	Ug5.24
<b>ASC Confidence:</b>	Confidence level not specified	<b>Great Soil Group:</b>	Grey clay

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

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Cenchrus ciliaris  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 3.01-6m, Sparse. \*Species includes - Terminalia oblongata

**Surface Coarse Fragments:**

**Profile Morphology**

A11	0 - 0.01 m	Greyish brown (2.5Y5/2-Moist); ; Light medium clay; Moderate grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 0.01);
A12	0.01 - 0.1 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.06);
B21	0.1 - 0.8 m	Greyish brown (2.5Y5/3-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.6);
B22	0.8 - 1.1 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Common (10 - 20 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1.1);

**Morphological Notes**

**Observation Notes**

**Site Notes**

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 1824 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

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

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 1824 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile