

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 2029 **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> 11/06/93	<b>Elevation:</b> 210 metres
<b>Map Ref.:</b> Sheet No. : 8255 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7642053 AMG zone: 55	<b>Runoff:</b> Slow
<b>Easting/Lat.:</b> 453820 Datum: AGD66	<b>Drainage:</b> Imperfectly 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> Undulating hills 90-300m 3-	<b>Pattern Type:</b> Hills
<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):** Hardsetting

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b> N/A
Haplic Regolithic Calcic Calcarosol Slightly gravelly Clayey Medium Clayey Deep	<b>Principal Profile Form:</b> Uf6.31
<b>ASC Confidence:</b> No analytical data and little or no knowledge of this soil.	<b>Great Soil Group:</b> No suitable group

**Site Disturbance:** No effective disturbance other than grazing by hoofed animals

**Vegetation:** Low Strata - Tussock grass, 0.26-0.5m, Sparse. \*Species includes - Bothriochloa ewartiana, Dichanthium sericeum,  
Iseilema vaginiflorum Mid Strata - Tree, 1.01-3m, Sparse. \*Species includes - Terminalia oblongata

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Acacia cambagei, Eucalyptus cambageana

**Surface Coarse Fragments:** 2-10%, fine gravelly, 2-6mm, angular,

#### Profile Morphology

A1	0 - 0.1 m	Brown (7.5YR4/3-Moist); ; Light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.45 m	Brown (7.5YR4/3-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.3); Gradual change to -
B22	0.45 - 0.8 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Moderate grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Dry; Firm consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.6); Gradual change to -
B23	0.8 - 1.1 m	Strong brown (7.5YR4/6-Moist); ; Light medium clay; Weak grade of structure, 5-10 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.9);

#### 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: 2029 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

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 mm/h

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
Project Code: DLR Site ID: 2029 Observation ID: 1  
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile