Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **734** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	15/08/91	**Elevation:**	260 metres
Map Ref.:	Sheet No. : 8158 GPS	**Rainfall:**	No Data
Northing/Long.:	7803326 AMG zone: 55	**Runoff:**	No Data
Easting/Lat.:	417927 Datum: AGD66	**Drainage:**	No Data

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Undisturbed soil core, Limestone

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	**Pattern Type:**	Rises
Morph. Type:	Lower-slope	**Relief:**	No Data
Elem. Type:	Hillslope	**Slope Category:**	Gently inclined
Slope:	3 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Hypercalcic Red Chromosol Thin Non-gravelly Clay-loamy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: Dr2.13

ASC Confidence:
No analytical data are available but confidence is fair.

Great Soil Group: Red-brown earth

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

Vegetation: Low Strata - Tussock grass, 1.01-3m, Closed or dense. *Species includes - Bothriochloa ewartiana
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A	0 - 0.08 m	Black (10YR2/1-Moist); ; Clay loam; Moderate grade of structure, 50-100 mm, Angular blocky; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.05); Abrupt change to -
B1	0.08 - 0.2 m	Very dark grey (5YR3/1-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Gradual change to -
B21	0.2 - 0.45 m	Yellowish red (5YR4/6-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Clear change to -
B/C	0.45 - 0.55 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; 0-2%, coarse gravelly, 20-60mm, rounded, dispersed, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Clear change to -
C	0.55 - 0.9 m	Yellowish red (5YR5/8-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Moderately moist; Firm consistence; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (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:** 734 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

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

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

Depth	COLE	Gravimetric/Volumetric Water Contents							K sat	K unsat
		Sat.	0.05 Bar	0.1 Bar	0.5 Bar	1 Bar	5 Bar	15 Bar		
m		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:** **734** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile