Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2359** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	26/10/94	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7960 GPS	**Rainfall:**	No Data
Northing/Long.:	7945762 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	319365 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Alluvial plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting, Firm

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Grey Dermosol Medium Non-gravelly Clayey Clayey Deep

Mapping Unit: N/A
Principal Profile Form: Uf3

ASC Confidence:
Confidence level not specified

Great Soil Group: Grey clay

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Dichanthium species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus cambageana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Clear change to -
A2j	0.1 - 0.17 m	Very dark greyish brown (10YR3/2-Moist); Mottles, 5YR56, 0-2% , 0-5mm, Prominent; Mottles, 0-2% ; Light medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.15); Clear change to -
B21	0.17 - 0.45 m	Dark greyish brown (10YR4/2-Moist); Mottles, 5YR56, 0-2% , 0-5mm, Prominent; Mottles, 0-2% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderately moist; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
B22	0.45 - 1.1 m	Dark greyish brown (10YR4/2-Moist); Mottles, 5YR56, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Moderately moist; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 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:** 2359 **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							%
0 - 0.1	5.2A		2.8B	4.3	1.3	0.19				
0.1 - 0.17	5.4A									
0.17 - 0.45	5.4A									
0.45 - 1.1	5.3A									

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			%		
0 - 0.1												
0.1 - 0.17												
0.17 - 0.45												
0.45 - 1.1												

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
0 - 0.1										
0.1 - 0.17										
0.17 - 0.45										
0.45 - 1.1										

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension