Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1099** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	07/05/92	**Elevation:**	320 metres
Map Ref.:	Sheet No. : 8058 GPS	**Rainfall:**	No Data
Northing/Long.:	7830845 AMG zone: 55	**Runoff:**	No Data
Easting/Lat.:	364492 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, No Data

Land Form

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

Surface Soil Condition (dry): Surface crust, Cracking

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Epipedal Grey Vertosol Non-gravelly Medium fine Very fine Very deep

Mapping Unit: N/A
Principal Profile Form: Ug5.24

ASC Confidence:
All necessary analytical data are available.

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 - Eulalia aurea, Dichanthium species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus erythrophloia

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, subrounded, Quartz

Profile Morphology

A1	0 - 0.05 m	Very dark grey (10YR3/1-Moist); ; Light clay; Strong grade of structure, 10-20 mm; Sandy (grains prominent) fabric; 10-20%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.05 - 0.85 m	Dark grey (7.5YR4/0-Moist); ; Light medium clay; Moderate grade of structure, 2-5 mm, Subangular blocky; 2-10%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.8); Gradual change to -
B22	0.85 - 2 m	Weak red (2.5YR5/2-Moist); ; Light medium clay (Heavy); Moderate grade of structure, 2-5 mm, Subangular blocky; 0-2%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 2);

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:** 1099 **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 - 0.05	6.1A									
0.05 - 0.85	8.5A									
0.85 - 2	7.7A									

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 - 0.05												
0.05 - 0.85												
0.85 - 2												

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 - 0.05										
0.05 - 0.85										
0.85 - 2										

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1099** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension