Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2096** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	25/06/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7958 GPS	**Rainfall:**	No Data
Northing/Long.:	7801238 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	313717 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

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

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	**Pattern Type:**	Alluvial plain
Morph. Type:	Open depression (vale)	**Relief:**	No Data
Elem. Type:	Drainage depression	**Slope Category:**	Very gently sloped
Slope:	2 %	**Aspect:**	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:
Endocalcareous Self-Mulching Black Vertosol Very gravelly Medium fine Very fine Moderately deep

Mapping Unit: N/A
Principal Profile Form: Ug5.16

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Great Soil Group: Black earth

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - None recorded
Mid Strata - , , . *Species includes - Melaleuca bracteata
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus orgadophylla, Eucalyptus crebra

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, subrounded, Basalt

Profile Morphology

A1	0 - 0.1 m	Black (10YR2/1-Moist); ; Light clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.32 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to -
B22	0.32 - 0.55 m	Very dark greyish brown (2.5Y3/2-Moist); Mottles, 10YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Medium clay; Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subangular, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Clear change to -
BC	0.55 - 0.85 m	Very dark grey (10YR3/1-Moist); Mottles, 10YR46, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Light medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; 20-50%, medium gravelly, 6-20mm, subangular, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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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

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Laboratory Analyses Completed for this profile