Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1907** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 25/05/93
Map Ref.: Sheet No. : 8255 GPS
Northing/Long.: 7664431 AMG zone: 55
Easting/Lat.: 481339 Datum: AGD66

Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: Imperfectly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data

Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, Mudstone

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: Flat
Elem. Type: Plain
Slope: 2 %

Pattern Type: Plain
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Dermosol Thin Very gravelly Clayey Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: Uf

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

Great Soil Group: Red clay

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Lysiphillum carronii, Terminalia oblongata, Acacia
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia harpophylla, Lysiphillum carronii, Terminalia oblongata

Surface Coarse Fragments: 50-90%, coarse gravelly, 20-60mm, angular, Mudstone

Profile Morphology

A11	0 - 0.07 m	Dark reddish brown (5YR3/4-Moist); ; Medium clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, angular platy, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.03); Clear change to -
B1	0.07 - 0.18 m	Reddish brown (5YR4/4-Moist); ; Medium clay; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, angular platy, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.1); Sharp change to -
B21	0.18 - 0.5 m	Red (2.5YR4/6-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Moderate grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, angular platy, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.4); Clear change to -
B22	0.5 - 0.62 m	Yellowish brown (10YR5/4-Moist); Mottles, 5YR56, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, angular platy, Mudstone, coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.6); Clear change to -
C	0.62 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Dry; Very firm consistence; 50-90%, fine gravelly, 2-6mm, subangular, Mudstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.8);

Morphological Notes

Observation Notes

Site Notes

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Project Code: DLR **Site ID:** 1907 **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

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Laboratory Analyses Completed for this profile