Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1578** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 30/10/92
Map Ref.: Sheet No. : 8057 GPS
Northing/Long.: 7779063 AMG zone: 55
Easting/Lat.: 345540 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: Simple-slope
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 Brown Ferrosol Medium Non-gravelly Clay-loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Gn3.21
ASC Confidence:
Confidence level not specified
Great Soil Group: Euchrozem

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Heteropogon contortus, Bothriochloa ewartiana, Themeda triandra Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus papuana, Eucalyptus melanophloia

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus papuana, Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A	0 - 0.11 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual change to -
B	0.11 - 0.4 m	Dark yellowish brown (10YR4/4-Moist); ; Light clay; Moderate grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.11	5.8A									
0.11 - 0.4	5.9A									

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 - 0.11												
0.11 - 0.4												

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 - 0.11										
0.11 - 0.4										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension