Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1997** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 19/10/93
Map Ref.: Sheet No. : 7959 GPS
Northing/Long.: 7876450 AMG zone: 55
Easting/Lat.: 310191 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: 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: No Data
Morph. Type: No Data
Elem. Type: No Data
Slope: 6 %
Pattern Type: No Data
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Eutrophic Brown Chromosol Thick Non-gravelly Clay-loamy Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Db2.13

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: No suitable group

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Aristida species, Bothriochloa decipiens

Mid Strata - Shrub, 3.01-6m, Very sparse. *Species includes - Petalostigma pubescens

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.06 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to -
A12	0.06 - 0.14 m	Dark yellowish brown (10YR3/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to -
A13	0.14 - 0.4 m	Light olive brown (2.5Y5/4-Moist); Mottles, 10YR46, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.73 m	Dark greyish brown (2.5Y4/3-Moist); Mottles, 2.5YR36, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Light medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, subangular, Sandstone, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Gradual change to -
B22	0.73 - 1.1 m	Dark greyish brown (2.5Y4/3-Moist); ; Light medium clay (Heavy); Strong grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 1);

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							%

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