Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2186** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 24/08/93
Map Ref.: Sheet No. : 7859 GPS
Northing/Long.: 7890294 AMG zone: 55
Easting/Lat.: 285405 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: No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: Flat
Elem. Type: Terrace flat
Slope: 2 %
Pattern Type: Terrace (alluvial)
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Sodic Calcic Brown Chromosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Db1.43
Great Soil Group: Solodic soil

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

Vegetation:

Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Bothriochloa species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus drepanophylla, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Very dark greyish brown (10YR3/2-Moist); ; Silty clay loam; Massive grade of structure; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear
A2e	0.12 - 0.34 m	Dark greyish brown (10YR4/2-Moist); ; Silty clay loam; Massive grade of structure; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.25); Abrupt change to
B21	0.34 - 0.65 m	Dark brown (10YR3/3-Moist); ; Silty medium clay; Weak grade of structure, 20-50 mm, Angular blocky; Dry; Rigid consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Gradual change to -
B22	0.65 - 1 m	Brown (10YR4/3-Moist); ; Silty medium clay; Moderate grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Tubules; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.9); Gradual change to -
B23	1 - 1.4 m	Dark yellowish brown (10YR4/4-Moist); ; Silty medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Very strong consistence; Few (2 - 10 %), Argillaceous, Coarse (6 - 20 mm), Tubules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8.5 (Raupach, 1.3); Gradual change
B24	1.4 - 1.7 m	Strong brown (7.5YR4/6-Moist); ; Fine sandy light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 1.7);

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	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	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