Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2280** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	02/11/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7959 GPS	**Rainfall:**	No Data
Northing/Long.:	7853012 AMG zone: 55	**Runoff:**	No Data
Easting/Lat.:	322052 Datum: AGD66	**Drainage:**	No Data

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	No Data

Land Form

Rel/Slope Class:	Gently undulating plains <9m 1-3%	**Pattern Type:**	Plain
Morph. Type:	No Data	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Very gently sloped
Slope:	2 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mottled-Subnatric Brown Sodosol Medium Non-gravelly Clay-loamy Clayey Deep

Mapping Unit: N/A
Principal Profile Form: Dy3.33

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

Great Soil Group: Solodic soil

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Isolated plants. *Species includes - Unknown species, Unknown species, Unknown species Mid Strata - Shrub, 1.01-3m, Isolated plants. *Species includes - Erythroxylon australe

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus cambageana, Eucalyptus persistens

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.05);
A2j	0.12 - 0.24 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2);
B21	0.24 - 0.6 m	Yellowish brown (10YR5/8-Moist); Mottles, 10YR54, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 50-100 mm, Columnar; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.8 (Raupach, 0.5);
B22	0.6 - 1 m	Yellowish brown (10YR5/8-Moist); Mottles, 5YR56, 0-2% , 5-15mm, Distinct; Mottles, 0-2% ; Medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.9);
B23	1 - 1.2 m	Strong brown (7.5YR5/6-Moist); Mottles, 5YR56, 0-2% , 5-15mm, Faint; Mottles, 0-2% ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Veins; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach, 1.1); Field pH 9.5 (Raupach, 1.2);
BC	1.2 - 1.25 m	; 2-10%, fine gravelly, 2-6mm, rounded tabular, dispersed, Detrital sedimentary rock (unidentified), coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ;

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