Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2023** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Bright, J (Mitch)
Date Desc.: 10/06/93
Map Ref.: Sheet No. : 8255 GPS
Northing/Long.: 7639454 AMG zone: 55
Easting/Lat.: 475146 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately 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: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 4 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Calcic Brown Dermosol Thin Non-gravelly Clay-loamy Clayey Shallow
Mapping Unit: N/A
Principal Profile Form: Gn3.73

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, <0.25m, Very sparse. *Species includes - Sporobolus species
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Lysiphillum carronii
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Acacia ??? (from WARLUS V)

Surface Coarse Fragments: 0-2%, cobbly, 60-200mm, angular, Sandstone

Profile Morphology

A1	0 - 0.08 m	Brown (10YR4/3-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
B21	0.08 - 0.15 m	Brown (10YR4/3-Moist); ; Light clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.12); Abrupt change to -
B22k	0.15 - 0.32 m	Yellowish brown (10YR5/6-Moist); ; Light medium clay; Strong grade of structure, 10-20 mm, Angular blocky; Strong grade of structure, 2-5 mm, Polyhedral; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.25); Clear change to -
B3	0.32 - 0.48 m	Brownish yellow (10YR6/6-Moist); ; Light medium clay; Weak grade of structure; Moderate grade of structure; Dry; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.4); Clear change to -
BC	0.48 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 0.7);

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 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