Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2055** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	09/06/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8255 GPS	**Rainfall:**	No Data
Northing/Long.:	7622069 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	464557 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

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

Land Form

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

Surface Soil Condition (dry): Hardsetting, Firm

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Calcic Brown Dermosol Thin Non-gravelly Clayey Clayey Deep

Mapping Unit: N/A
Principal Profile Form: Uf6.32

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

Great Soil Group: Grey clay

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eremophila mitchellii, Acacia argyrodendron, Lysiphillum carronii
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.04 m	Dark brown (10YR3/3-Moist); ; Light clay; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.02); Abrupt change to -
B21	0.04 - 0.25 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay (Heavy); Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.18); Clear change to -
B22	0.25 - 0.5 m	Yellowish brown (10YR5/4-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.35); Clear change to -
B23	0.5 - 0.7 m	Light yellowish brown (10YR6/4-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Few (2 - 10 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 0.6); Gradual change to -
B3	0.7 - 1.4 m	Light grey (2.5Y7/2-Moist); ; Light medium clay; Dry; Strong consistence; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.3);

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							%

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