Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1836** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Barry, Earl	**Locality:**	
Date Desc.:	05/07/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8155 GPS	**Rainfall:**	No Data
Northing/Long.:	7673650 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	408042 Datum: AGD66	**Drainage:**	Imperfectly drained

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): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification:
Epicalcareous Self-Mulching Black Vertosol
ASC Confidence:
No analytical data are available but confidence is fair.

Mapping Unit: N/A
Principal Profile Form: Ug5.1
Great Soil Group: Black earth

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Cenchrus ciliaris, Dichanthium species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia harpophylla, Lysiphillum carronii
Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Acacia harpophylla

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.05 m	Dark grey (10YR4/1-Moist); ; Light medium clay; Strong grade of structure, <2 mm, Granular; Smooth-ped fabric; Dry; Very weak consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.02); Sharp change to -
A12	0.05 - 0.45 m	Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Rigid consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.2); Gradual change to -
B21	0.45 - 0.85 m	Very dark greyish brown (2.5Y3/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 0.7); Gradual change to -
B22	0.85 - 1.1 m	Dark greyish brown (2.5Y4/2-Moist); Mottles, 10YR43, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium heavy clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1);

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