Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2151** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Barry, Earl	**Locality:**	
Date Desc.:	02/08/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8155 GPS	**Rainfall:**	No Data
Northing/Long.:	7676264 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	440131 Datum: AGD66	**Drainage:**	Moderately well 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): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Mottled Calcic Brown Dermosol
ASC Confidence: No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Db2.13
Great Soil Group: N/A

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia argyrodendron, Lysiphillum carronii, Bursaria incana
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.08 m	Dark brown (7.5YR3/3-Moist); ; Clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.08 - 0.3 m	Dark brown (7.5YR3/3-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very strong consistence; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8 (Raupach, 0.25); Gradual change to -
B22	0.3 - 0.7 m	Dark brown (7.5YR3/4-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; Few (2 - 10 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.6); Gradual change to -
B23	0.7 - 1.2 m	Dark reddish brown (2.5YR3/4-Moist); Mottles, 7.5YR44, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1); Gradual change to -
B24	1.2 - 1.7 m	Dark reddish brown (5YR3/4-Moist); Mottles, 7.5YR44, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9 (Raupach, 1.6);

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