Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2349** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	27/10/94	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7860 GPS	**Rainfall:**	No Data
Northing/Long.:	7945948 AMG zone: 55	**Runoff:**	Very slow
Easting/Lat.:	287194 Datum: AGD66	**Drainage:**	Poorly 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:	Level plain <9m <1%	**Pattern Type:**	Lava plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Drainage depression	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition (dry): Cracking, Self-mulching

Erosion:

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
Endocalcareous Self-Mulching Grey Vertosol Gravelly Medium fine Very fine Deep **Principal Profile Form:** Ug5

ASC Confidence: **Great Soil Group:** N/A
Analytical data are incomplete but reasonable confidence.

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 - , , . *Species includes - None recorded
Tall Strata - Tree, 3.01-6m, Isolated clumps. *Species includes - Melaleuca bracteata

Surface Coarse Fragments: 10-20%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A11	0 - 0.04 m	Dark grey (10YR4/1-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Granular; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 0.02);
B21	0.04 - 0.3 m	Dark grey (10YR4/1-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; , Calcareous, , ; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.2);
B22	0.3 - 0.8 m	Grey (10YR5/1-Moist); ; Medium clay; Strong grade of structure, 20-50 mm, Lenticular; Strong grade of structure, 5-10 mm, Lenticular; Smooth-ped fabric; Moist; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.7);
B23k	0.8 - 1 m	Grey (10YR5/1-Moist); ; Medium clay; Strong grade of structure, Lenticular; Strong grade of structure; Smooth-ped fabric; Moist; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Very highly calcareous; Field pH 9 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 2349 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.04	8.2A		30B	29	3.4	1.5				
0.8 - 1	9.5A									

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			%		
0 - 0.04												
0.8 - 1												

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
0 - 0.04										
0.8 - 1										

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension