Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1388** **Observation ID: 1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**		
Date Desc.:	04/11/93	**Elevation:**	No Data	
Map Ref.:	Sheet No. : 7959 GPS	**Rainfall:**	No Data	
Northing/Long.:	7886588 AMG zone: 55	**Runoff:**	No Data	
Easting/Lat.:	337593 Datum: AGD66	**Drainage:**	No Data	

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:**	Rises
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

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

Erosion:

Soil Classification

Australian Soil Classification:	**Mapping Unit:**	N/A
Endocalcareous Self-Mulching Grey Vertosol Non-gravelly Medium fine Very fine Deep	**Principal Profile Form:**	Ug5.24
ASC Confidence:	**Great Soil Group:**	Grey clay
No analytical data are available but confidence is fair.		

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Unknown species, Unknown species, Unknown

Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus platyphylla

Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.02 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Silty light clay; Strong grade of structure, 5-10 mm, Cast; Strong grade of structure, <2 mm, Granular; Smooth-ped fabric; Dry; Weak consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.02);
A12	0.02 - 0.3 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR58, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2);
B21	0.3 - 0.7 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; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.5);
B22	0.7 - 1.45 m	Very dark greyish brown (10YR3/2-Moist); ; Medium clay; Strong grade of structure, 10-20 mm, Lenticular; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 8.5 (Raupach, 1.4);
B23k	1.45 - 1.6 m	Dark greyish brown (10YR4/2-Moist); Mottles, 10YR43, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Field pH 9 (Raupach, 1.5);
D1	1.6 - 1.9 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Single grain grade of structure; Earthy fabric; Moderately moist; Very firm consistence; Few (2 - 10 %), Manganiferous, Fine (0 - 2 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 1.9);

Morphological Notes

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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