Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2352** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	25/10/94	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7960 GPS	**Rainfall:**	No Data
Northing/Long.:	7939174 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	338780 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:	Closed Depression	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Very gently sloped
Slope:	2 %	**Aspect:**	No Data

Surface Soil Condition (dry):   Hardsetting, Cracking

Erosion:

Soil Classification

Australian Soil Classification:	**Mapping Unit:**	N/A
Bleached Eutrophic Black Kurosol Medium Non-gravelly Clay-loamy Clayey Deep	**Principal Profile Form:**	Dd1.41
ASC Confidence:	**Great Soil Group:**	No suitable
Confidence level not specified		

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Themeda triandra
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus moluccana

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus moluccana, Eucalyptus brownii

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.04 m	Dark brown (10YR3/3-Moist); ; Massive grade of structure; Earthy fabric; Moderately moist; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
A2e	0.04 - 0.15 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.35 m	Very dark brown (7.5YR2/2-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5 (Raupach, 0.25);
B22	0.35 - 1.1 m	Very dark brown (7.5YR2/2-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 4.5 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

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<u>**Laboratory Test Results:**</u>

Depth	pH	1:5 EC		Exchangeable Cations			Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0.04 - 0.15	5.6A		0.46B	3.2	0.1	1.5				
0.15 - 0.35	4.7A									
0.35 - 1.1	4.5A									

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			%	
0.04 - 0.15											
0.15 - 0.35											
0.35 - 1.1											

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
0.04 - 0.15										
0.15 - 0.35										
0.35 - 1.1										

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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