Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **654** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	M.G. Cannon	**Locality:**	
Date Desc.:	31/05/91	**Elevation:**	No Data
Map Ref.:	Sheet No. : 8159-3 GPS	**Rainfall:**	No Data
Northing/Long.:	7859195 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	414289 Datum: AGD66	**Drainage:**	Moderately well drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Undisturbed soil core, Sandstone

Land Form

Rel/Slope Class:	Gently undulating rises 9-30m 1-3%	**Pattern Type:**	Rises
Morph. Type:	Crest	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	130 degrees

Surface Soil Condition (dry):

Erosion:

Soil Classification

Australian Soil Classification: **Mapping Unit:** N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Silty Silty Shallow **Principal Profile Form:** Dy2.22

ASC Confidence: **Great Soil Group:** Red podzolic soil
No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - , , . *Species includes - Heteropogon contortus, Chrysopogon fallax, Bothriochloa species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia

Surface Coarse Fragments: 0-2%, , , Sandstone

Profile Morphology

A	0 - 0.08 m	Dark reddish brown (5YR3/4-Moist); ; Silty loam; Moderate grade of structure, 10-20 mm, Platy; Weak grade of structure, 10-20 mm, Prismatic; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots;
A2	0.08 - 0.2 m	Yellowish red (5YR4/6-Moist); ; Silty loam (Light); Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Few, fine (1-2mm) roots;
B2	0.2 - 0.4 m	Yellowish red (5YR5/6-Moist); ; Silty light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Few, fine (1-
BC	0.4 - 0.45 m	; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.45); Few, very fine (0-1mm) roots;
C	0.45 - 0.5 m	; , Calcareous, , ; , Gypseous, , ;

Morphological Notes

Observation Notes

Site Notes

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Project Code: DLR **Site ID:** 654 **Observation ID:** 1
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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							%
0 - 0.08	6.1A									
0.2 - 0.4	6.2A									
0.4 - 0.45	7A									

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 - 0.08												
0.2 - 0.4												
0.4 - 0.45												

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 - 0.08										
0.2 - 0.4										
0.4 - 0.45										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension