Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1874** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 07/09/93
Map Ref.: Sheet No. : 7859 GPS
Northing/Long.: 7857098 AMG zone: 55
Easting/Lat.: 267371 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Very rapid
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Undulating low hills 30-90m 3-10%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 6 %
Pattern Type: Low hills
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Brown Dermosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Gn3.23
Great Soil Group: N/A

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Themeda triandra, Triodia mitchelii, Chrysopogon fallax

Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus species, Acacia species, Petalostigma pubescens

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

Surface Coarse Fragments: 10-20%, medium gravelly, 6-20mm, angular platy, Shale

Profile Morphology

A11	0 - 0.1 m	Brown (10YR4/3-Moist); ; Silty clay loam; Massive grade of structure; Earthy fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B21	0.1 - 0.2 m	Yellowish brown (10YR5/4-Moist); ; Silty light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); Clear change to -
BC	0.2 - 0.5 m	Yellowish brown (10YR5/4-Moist); Mottles, 2.5YR46, 0-2% , 0-5mm, Distinct; Mottles, 0-2% ; Silty light clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Gradual change to -
C	0.5 - 0.9 m	Dark red (2.5YR3/6-Moist); ; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.9);

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 C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size Analysis				
								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