Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1943** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Bright, J (Mitch)
Date Desc.: 20/09/93
Map Ref.: Sheet No. : 7859 GPS
Northing/Long.: 7843442 AMG zone: 55
Easting/Lat.: 269763 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Well drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Existing vertical exposure, Basalt

Land Form

Rel/Slope Class: Steep hills 90-300m 32-56%
Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 5 %
Pattern Type: Hills
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Red Ferrosol Medium Moderately gravelly Clay-loamy Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Dr4.12

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Euchrozem

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

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

Themeda triandra Mid Strata - Shrub, 1.01-3m, Sparse. *Species includes - Petalostigma pubescens, Hakea lorea, Bursaria incana

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa, Eucalyptus erythrophloia

Surface Coarse Fragments: 50-90%, cobbly, 60-200mm, rounded, Basalt

Profile Morphology

A11	0 - 0.2 m	Dark brown (7.5YR3/3-Moist); ; Clay loam; Moderate grade of structure, 10-20 mm, Polyhedral; Dry; Weak consistence; 50-90%, cobbly, 60-200mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Gradual change to -
A12	0.2 - 0.4 m	Dark reddish brown (5YR3/3-Moist); ; Clay loam (Heavy); Moderate grade of structure, 10-20 mm, Polyhedral; Strong grade of structure, 2-5 mm, Angular blocky; Dry; Weak consistence; 50-90%, cobbly, 60-200mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear change to -
B2	0.4 - 0.75 m	Dark red (2.5YR3/6-Moist); ; Light medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Dry; Firm consistence; 50-90%, cobbly, 60-200mm, subrounded, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.5);

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