Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1651** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 27/04/93
Map Ref.: Sheet No. : 7958 GPS
Northing/Long.: 7822298 AMG zone: 55
Easting/Lat.: 338986 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

Rel/Slope Class: Undulating plains <9m 3-10%
Morph. Type: No Data
Elem. Type: Plain
Slope: 3 %
Pattern Type: Lava plain
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Manganic Eutrophic Red Ferrosol Medium Gravelly Loamy Very fine
Mapping Unit: N/A
Principal Profile Form: Gn4.11

ASC Confidence:
Confidence level not specified
Great Soil Group: N/A

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus erythrophloia, Eucalyptus

Surface Coarse Fragments: 50-90%, stony, 200-600mm, rounded, Basalt

Profile Morphology

A11	0 - 0.12 m	Dusky red (2.5YR3/2-Moist); ; Clay loam (Heavy); Strong grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B21	0.12 - 0.27 m	Dark reddish brown (2.5YR3/3-Moist); ; Light clay; Moderate grade of structure, 10-20 mm, Polyhedral; Strong grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Firm consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); Gradual change to -
B3	0.27 - 0.55 m	Reddish brown (5YR4/4-Moist); ; Light clay (Light); Moderate grade of structure, 2-5 mm, Polyhedral; Rough-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; 0-2%, coarse gravelly, 20-60mm, subangular, Basalt, coarse fragments; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.5); Gradual change to -
BC	0.55 - 0.62 m	Reddish brown (5YR4/4-Moist); ; Light clay (Light); Massive grade of structure; Dry; Weak consistence; 2-10%, coarse gravelly, 20-60mm, subangular, Basalt, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.6); Gradual change to -
C	0.62 - 0.75 m	; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.75);

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