Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **373** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M. DeCorte
Date Desc.: 13/08/91
Map Ref.: Sheet No. : 8257 GPS
Northing/Long.: 7744688 AMG zone: 55
Easting/Lat.: 472412 Datum: AGD66
Locality:
Elevation: 280 metres
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Moderately well drained

Geology

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

Land Form

Rel/Slope Class: Rolling rises 9-30m 10-32%
Morph. Type: Mid-slope
Elem. Type: Hillslope
Slope: 8 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: 30 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Brown Chromosol Medium Moderately gravelly Silty Silty Shallow

Mapping Unit: N/A
Principal Profile Form: Db1.12

ASC Confidence:
No analytical data are available but confidence is fair.

Great Soil Group: No suitable

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

Vegetation:

Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa pertusa
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: 20-50%, coarse gravelly, 20-60mm, , Siltstone

Profile Morphology

A1	0 - 0.1 m	Dark greyish brown (10YR4/2-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Dry; 50-90%, medium gravelly, 6-20mm, angular, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A3	0.1 - 0.15 m	Brown (10YR4/3-Moist); ; Silty loam; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; 50-90%, medium gravelly, 6-20mm, angular, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Abrupt change to -
B2c	0.15 - 0.25 m	Dark yellowish brown (10YR4/4-Moist); ; Silty medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; 20-50%, medium gravelly, 6-20mm, angular, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear change to -
C	0.25 - 0.4 m	; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3);

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