Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **274** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M. DeCorte
Date Desc.: 20/06/91
Map Ref.: Sheet No. : 8157 GPS
Northing/Long.: 7762260 AMG zone: 55
Easting/Lat.: 444204 Datum: AGD66
Locality:
Elevation: 300 metres
Rainfall: No Data
Runoff: Slow
Drainage: Well drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Lower-slope
Elem. Type: Hillslope
Slope: 1 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: 340 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Chromosol Medium Non-gravelly Sandy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dr2.22
ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Non-calcic brown soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Bothriochloa pertusa, Aristida species, Eragrostis species Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus papuana

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Very dark brown (10YR2/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.05); Many, fine (1-2mm) roots; Clear, Smooth change
A21	0.1 - 0.18 m	Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Few, fine (1-2mm) roots; Clear, Smooth change to -
A22	0.18 - 0.28 m	Reddish brown (5YR4/3-Moist); ; Coarse sandy loam; Massive grade of structure; Earthy fabric; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Few, very fine (0-1mm) roots; Abrupt, Smooth change to -
B21	0.28 - 0.6 m	Reddish brown (5YR4/4-Moist); ; Light clay; Strong grade of structure, 20-50 mm, Angular blocky; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Moderately moist; Strong consistence; Common cutans, 10-50% of ped faces or walls coated, distinct; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); Few, fine (1-2mm) roots;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.1	6A									
0.28 - 0.6	6.9A		5J	1.5	0.5	0.2		6.6I		3.03

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 - 0.1												
0.28 - 0.6												

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 - 0.1										
0.28 - 0.6										

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Laboratory Analyses Completed for this profile

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension