Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1552** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 27/10/92
Map Ref.: Sheet No. : 7956 GPS
Northing/Long.: 7710162 AMG zone: 55
Easting/Lat.: 333950 Datum: AGD66
Locality:
Elevation: No Data
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: Undisturbed soil core, No Data

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 1 %
Pattern Type: Plain
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Mesotrophic Red Kandosol Thick Non-gravelly Loamy Loamy Moderately deep
Mapping Unit: N/A
Principal Profile Form: Uc5.21

ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Red earth

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

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.12 - 0.3 m	Dark brown (7.5YR3/4-Moist); ; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Gradual change to -
B21	0.3 - 0.55 m	Yellowish red (5YR4/6-Moist); ; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Clear change to -
B22	0.55 - 0.75 m	Yellowish red (5YR5/6-Moist); ; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.7);

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 - 0.12	6.6A		2B	0.76	0.48	0.02				
0.12 - 0.3	6.1A									
0.3 - 0.55	5.9A		0.81B	0.42	0.34	0.03				
0.55 - 0.75	5.7A									

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 - 0.12												
0.12 - 0.3												
0.3 - 0.55												
0.55 - 0.75												

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 - 0.12									
0.12 - 0.3									
0.3 - 0.55									
0.55 - 0.75									

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Laboratory Analyses Completed for this profile

10B	Extractable sulfur(mg/kg) - Phosphate extractable sulfur
15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension