Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1143** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 01/06/92
Map Ref.: Sheet No. : 8058 GPS
Northing/Long.: 7841941 AMG zone: 55
Easting/Lat.: 359475 Datum: AGD66
Locality:
Elevation: 420 metres
Rainfall: No Data
Runoff: No Data
Drainage: Imperfectly 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: Rolling low hills 30-90m 10-
Morph. Type: Crest
Elem. Type: Hillcrest
Slope: 5 %
Pattern Type: Low hills
Relief: No Data
Slope Category: Gently inclined
Aspect: 180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Dystrophic Red Kurosol Medium Moderately gravelly Loamy Clay-loamy Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dr2.11

ASC Confidence:
All necessary analytical data are available.
Great Soil Group: Non-calcic brown soil

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Cenchrus ciliaris, Panicum species, Themeda

Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 1.01-3m, Closed or dense. *Species includes - Acacia torulosa

Surface Coarse Fragments: 20-50%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

A1	0 - 0.18 m	Reddish brown (5YR4/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 20-50%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.03); Clear change to -
B2	0.18 - 0.55 m	Yellowish red (5YR4/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.35); Clear change to -
C	0.55 - 0.7 m	Weak red (10R4/4-Moist); ; Sandy loam; Moderate grade of structure, 2-5 mm, Polyhedral; 10-20%, fine gravelly, 2-6mm, subrounded, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Project Code: DLR **Site ID:** 1143 **Observation ID:** 1
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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 - 0.18	5.3A		0.49B	0.17	0.49	0.02				
0.18 - 0.55	4.7A									
0.55 - 0.7	4.7A		0.56B	0.19	0.13	0.03				

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 - 0.18												
0.18 - 0.55												
0.55 - 0.7												

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 - 0.18									
0.18 - 0.55									
0.55 - 0.7									

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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