Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1329** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 05/08/92
Map Ref.: Sheet No. : 8059 GPS
Northing/Long.: 7898640 AMG zone: 55
Easting/Lat.: 364945 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately rapid
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: Gently undulating rises 9-30m 1-3%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 5 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Mottled Mesotrophic Red Chromosol Medium Slightly gravelly Loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dr3.12

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

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Aristida species, Bothriochloa decipiens, Heteropogon contortus Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus papuana

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Quartz sandstone

Profile Morphology

A11	0 - 0.09 m	Olive brown (2.5Y4/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A12	0.09 - 0.2 m	Light olive brown (2.5Y5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); Abrupt change to -
B21	0.2 - 0.5 m	Red (2.5YR4/6-Moist); Mottles, 2.5Y44, 20-50% , 5-15mm, Distinct; Mottles, 2.5Y54, 20-50% ; Light medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Very firm consistence; 2-10%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; Very few (0 - 2 %), Manganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.4); Clear change to -
B3	0.5 - 0.75 m	; Light clay; Weak grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Firm consistence; 10-20%, medium gravelly, 6-20mm, angular, Substrate material, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.7);

Morphological Notes

Observation Notes

Site Notes

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Project Code: DLR **Site ID:** 1329 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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 - 0.09	6.4A		1B	1.9	0.2	0.11				
0.2 - 0.5	7.1A		5.2B	8.8	0.13	0.69				
0.5 - 0.75	7.5A									

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 - 0.09												
0.2 - 0.5												
0.5 - 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 - 0.09									
0.2 - 0.5									
0.5 - 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