Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1302** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 24/07/92
Map Ref.: Sheet No. : 8059 GPS
Northing/Long.: 7866352 AMG zone: 55
Easting/Lat.: 381997 Datum: AGD66
Locality:
Elevation: 360 metres
Rainfall: No Data
Runoff: Slow
Drainage: Moderately 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: No Data
Slope: 2 %
Pattern Type: No Data
Relief: No Data
Slope Category: Level
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Brown Chromosol Thick Non-gravelly Loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Db1.21
ASC Confidence:
All necessary analytical data are available.
Great Soil Group: Brown podzolic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa decipiens, Heteropogon contortus, Chrysopogon fallax Mid Strata - , , . *Species includes - None recorded

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.1 m	Very dark grey (10YR3/1-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
A12	0.1 - 0.2 m	Dark greyish brown (10YR4/2-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
A2	0.2 - 0.35 m	Brown (10YR5/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; 20-50%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B2	0.35 - 0.6 m	Dark greyish brown (2.5Y4/3-Moist); ; Medium clay; Weak grade of structure, Polyhedral; Smooth-ped fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 1302 **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 - 0.1	6.6A		6.4B	2.3	0.5	0.04				
0.1 - 0.2	6.8A									
0.2 - 0.35	7A									
0.35 - 0.6	6.2A		7.3B	4.5	0.42	0.18				

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												
0.1 - 0.2												
0.2 - 0.35												
0.35 - 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									
0.1 - 0.2									
0.2 - 0.35									
0.35 - 0.6									

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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