Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1334** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 06/08/92
Map Ref.: Sheet No. : 8059 GPS
Northing/Long.: 7889894 AMG zone: 55
Easting/Lat.: 354465 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: Simple-slope
Elem. Type: Hillslope
Slope: 3 %
Pattern Type: Rises
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Hypernatric Brown Sodosol Medium Non-gravelly Clay-loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Dy2.23
ASC Confidence:
All necessary analytical data are available.
Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Bothriochloa decipiens, Aristida species, Eulalia aurea

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

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments:

Profile Morphology

A11	0 - 0.07 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Abrupt change to -
A2	0.07 - 0.15 m	Yellowish brown (10YR5/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Abrupt change to -
B2	0.15 - 0.5 m	Light olive brown (2.5Y5/4-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Few (<1 per 100mm2) Very fine (0.075-1mm) macropores, , Calcareous, , ; , Gypseous, , ; Field pH 9.5 (Raupach, 0.5);

Morphological Notes

Observation Notes

Site Notes

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Project Code: DLR **Site ID:** 1334 **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 - 0.07	6.1A		3B	1.2	0.34	0.34				
0.07 - 0.15	7.1A		2B	1.3	0.15	0.74				
0.15 - 0.5	9.1A		2.8B	4	0.1	7.5				

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 - 0.07												
0.07 - 0.15												
0.15 - 0.5												

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 - 0.07									
0.07 - 0.15									
0.15 - 0.5									

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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