Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1289** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	22/07/92	**Elevation:**	380 metres
Map Ref.:	Sheet No. : 8059 GPS	**Rainfall:**	No Data
Northing/Long.:	7873079 AMG zone: 55	**Runoff:**	Moderately rapid
Easting/Lat.:	362746 Datum: AGD66	**Drainage:**	Imperfectly drained

Geology

ExposureType:	No Data	**Conf. Sub. is Parent. Mat.:**	No Data
Geol. Ref.:	No Data	**Substrate Material:**	Undisturbed soil core, No Data

Land Form

Rel/Slope Class:	Level plain <9m <1%	**Pattern Type:**	Hills
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	No Data	**Slope Category:**	Level
Slope:	2 %	**Aspect:**	No Data

Surface Soil Condition (dry): Hardsetting, Poached

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Mottled-Subnatric Black Sodosol Medium Non-gravelly Clay-loamy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: Dy3.43

ASC Confidence:
No analytical data are available but confidence is fair.

Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Heteropogon contortus, Chloris species Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia nervosa

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.09 m	Greyish brown (10YR5/2-Moist); ; Fine sandy clay loam (Light); Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); Clear change to -
A2e	0.09 - 0.25 m	Pale brown (10YR6/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.2); Abrupt change to -
B2	0.25 - 0.6 m	Grey (5Y5/1-Moist); Mottles, 10YR56, 2-10% , Faint; Mottles, 2-10% ; Medium clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, 10-20%, fine gravelly, 2-6mm, subrounded, Substrate material, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 9 (Raupach, 0.6);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable	CEC	ECEC	ESP
			Ca	Mg	K	Na	Acidity			
m		dS/m				Cmol (+)/kg				%
0 - 0.09	6.5A									
0.09 - 0.25	6.9A									
0.25 - 0.6	8.3A									

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												
0.09 - 0.25												
0.25 - 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 - 0.09										
0.09 - 0.25										
0.25 - 0.6										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension