Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2263** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By:	Rogers, Gary	**Locality:**	
Date Desc.:	24/08/93	**Elevation:**	No Data
Map Ref.:	Sheet No. : 7859 GPS	**Rainfall:**	No Data
Northing/Long.:	7889163 AMG zone: 55	**Runoff:**	Slow
Easting/Lat.:	273281 Datum: AGD66	**Drainage:**	Poorly 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:	Gently undulating plains <9m 1-3%	**Pattern Type:**	Plain
Morph. Type:	Flat	**Relief:**	No Data
Elem. Type:	Plain	**Slope Category:**	Level
Slope:	1 %	**Aspect:**	No Data

Surface Soil Condition (dry): Firm, Surface crust

Erosion:

Soil Classification

Australian Soil Classification:
Sodic Eutrophic Grey Chromosol
ASC Confidence:
No analytical data are available but confidence is fair.

Mapping Unit: N/A
Principal Profile Form: Dy2.42
Great Soil Group: Soloth

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

Vegetation: Low Strata - Tussock grass, <0.25m, Sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus platyphylla, Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus platyphylla, Eucalyptus crebra, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.03 m	Very dark grey (10YR3/1-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.02); Abrupt change to -
A2j	0.03 - 0.15 m	Dark grey (10YR4/1-Moist); ; Silty clay loam; Weak grade of structure, 5-10 mm, Polyhedral; Smooth-ped fabric; Common (1-5 per 100mm2) Very fine (0.075-1mm) macropores, Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Abrupt change to -
B21	0.15 - 0.42 m	Dark greyish brown (10YR4/2-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; Very few (0 - 2 %), Ferromanganiferous, Fine (0 - 2 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Clear change to -
B22	0.42 - 0.8 m	Dark greyish brown (2.5Y4/2-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Common (1-5 per 100mm2) macropores, Moderately moist; Firm consistence; , Manganiferous, , ; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.7); Gradual change to -
B23	0.8 - 1.45 m	Brown (10YR4/3-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Columnar; Smooth-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Firm consistence; Very few (0 - 2 %), , Fine (0 - 2 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 1.3); Gradual change to -
B24	1.45 - 1.75 m	Dark brown (7.5YR3/3-Moist); Mottles, 10YR41, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light medium clay; Strong grade of structure, 20-50 mm, Columnar; Smooth-ped fabric; Common (1-5 per 100mm2) Fine (1-2mm) macropores, Moderately moist; Firm consistence; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 1.6);

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							%

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			%		

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

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Laboratory Analyses Completed for this profile