Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **673** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 16/07/91
Map Ref.: Sheet No. : 8255 GPS
Northing/Long.: 7673360 AMG zone: 55
Easting/Lat.: 456299 Datum: AGD66
Locality:
Elevation: 240 metres
Rainfall: No Data
Runoff: No Data
Drainage: No Data

Geology

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

Land Form

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

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Eutrophic Subnatric Brown Sodosol Medium Sandy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Db1.33

ASC Confidence:
Analytical data are incomplete but reasonable confidence.
Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Sparse. *Species includes - TRIODIA SPECIES ?, Chloris barbata
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus brownii

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, angular, Sandstone

Profile Morphology

A1	0 - 0.05 m	Brown (7.5YR5/4-Moist); ; Loamy fine sand; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.05);
A2j	0.05 - 0.25 m	Strong brown (7.5YR5/6-Moist); ; Loamy fine sand; Massive grade of structure; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Very weak consistence; , Calcareous, , ; , Gypseous, , ;
B21	0.25 - 0.6 m	Strong brown (7.5YR4/6-Moist); ; Medium clay; Strong grade of structure, 50-100 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); Field pH 9.5 (Raupach, 0.6);
B22	0.6 - 0.8 m	Strong brown (7.5YR5/6-Moist); ; Clay loam, sandy; Strong grade of structure, 5-10 mm, Platy; Moderate grade of structure, 2-5 mm, Angular blocky; Many (>5 per 100mm2) Fine (1-2mm) macropores, Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ;

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 - 0.05	6A									
0.25 - 0.6	7.1A									
0.6 - 0.8	8.7A									

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 - 0.05												
0.25 - 0.6												
0.6 - 0.8												

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 - 0.05										
0.25 - 0.6										
0.6 - 0.8										

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Laboratory Analyses Completed for this profile

4A1	pH of 1:5 soil/water suspension