Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2175** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 05/08/93
Map Ref.: Sheet No. : 8155 GPS
Northing/Long.: 7664771 AMG zone: 55
Easting/Lat.: 441845 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: Imperfectly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: No Data
Elem. Type: Plain
Slope: 3 %
Pattern Type: Plain
Relief: No Data
Slope Category: Very gently sloped
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Calcic Subnatric Brown Sodosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Db2.13
Great Soil Group: N/A

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

Vegetation:

Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eremophila mitchellii, Acacia argyrodendron
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subrounded, Ironstone

Profile Morphology

A11	0 - 0.12 m	Dark brown (7.5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.12 - 0.33 m	Dark yellowish brown (10YR3/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Dry; Very strong consistence; Very few (0 - 2 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Gradual change to -
B21	0.33 - 0.5 m	Dark yellowish brown (10YR4/4-Moist); ; Light medium clay; Moderate grade of structure, 20-50 mm, Polyhedral; Dry; Very strong consistence; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8 (Raupach, 0.45); Gradual change to -
B22	0.5 - 0.8 m	Strong brown (7.5YR5/6-Moist); Mottles, 7.5YR66, 0-2% , 5-15mm, Prominent; Mottles, 0-2% ; Light medium clay; Dry; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.7);
B23	0.8 - 1.2 m	Strong brown (7.5YR5/8-Moist); ; Light medium clay; Dry; 0-2%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 1.2);

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