Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2436** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Rogers, Gary
Date Desc.: 13/01/94
Map Ref.: Sheet No. : 8158 GPS
Northing/Long.: 7799651 AMG zone: 55
Easting/Lat.: 415475 Datum: AGD66
Locality:
Elevation: No Data
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, No Data

Land Form

Rel/Slope Class: Gently undulating plains <9m 1-3%
Morph. Type: No Data
Elem. Type: Plain
Slope: 1 %
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:
Mottled Calcic Brown Dermosol Medium Non-gravelly Clayey Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Uf3

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Brown earth

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Bothriochloa ewartiana, Dichanthium species, Chrysopogon fallax Mid Strata - Shrub, 1.01-3m, Mid-dense. *Species includes - Eremophila mitchellii, Atalaya hemiglauca, Erythroxylon australe

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus persistens, Acacia salicina

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); ; Fine sandy light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Moderately moist; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A2j	0.1 - 0.2 m	Brown (10YR4/3-Moist); ; Fine sandy light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Dry; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to -
B21	0.2 - 0.5 m	Brown (7.5YR4/4-Moist); Mottles, 10YR43, 10-20% , Distinct; Mottles, 10-20% ; Medium heavy clay; Strong grade of structure, 20-50 mm, Prismatic; Dry; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Clear change to -
B22	0.5 - 0.85 m	Very dark grey (10YR3/1-Moist); Mottles, 10YR53, 2-10% , Distinct; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Lenticular; Moderate grade of structure, 10-20 mm, Angular blocky; Dry; 0-2%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few cutans, <10% of ped faces or walls coated, faint; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Slightly calcareous; Field pH 8.5 (Raupach, 0.6); Gradual change to -
B23	0.85 - 1.1 m	Dark grey (10YR4/1-Moist); ; Light clay; Strong grade of structure, 5-10 mm, Subangular blocky; Dry; Many (20 - 50 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 8.5 (Raupach, 1);

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 2436 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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	Avail.	Total	Total	Total	Bulk	Particle Size Analysis				
		C	P	P	N	K	Density	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

Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2436** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Laboratory Analyses Completed for this profile