Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2146** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Barry, Earl
Date Desc.: 21/10/93
Map Ref.: Sheet No. : 7959 GPS
Northing/Long.: 7877588 AMG zone: 55
Easting/Lat.: 292623 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: Moderately well 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: Undulating rises 9-30m 3-10%
Morph. Type: No Data
Elem. Type: Hillcrest
Slope: 4 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Vertic Eutrophic Brown Dermosol
ASC Confidence:
No analytical data are available but confidence is fair.
Mapping Unit: N/A
Principal Profile Form: Gn3.23
Great Soil Group: No suitable group

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - Themeda triandra, Unknown species, Unknown species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus persistens, Grevillea parallela, Acacia species

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

Surface Coarse Fragments: 2-10%, coarse gravelly, 20-60mm, subrounded, Quartz

Profile Morphology

A11	0 - 0.09 m	Very dark greyish brown (10YR3/2-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Clear change to -
B1	0.09 - 0.2 m	Dark yellowish brown (10YR4/4-Moist); ; Sandy light clay; Massive grade of structure; Earthy fabric; Moderately moist; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.15); Clear change to -
B21	0.2 - 0.45 m	Strong brown (7.5YR5/6-Moist); Mottles, 10YR56, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Gradual change to -
B22	0.45 - 0.7 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR53, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Fine sandy medium clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Dry; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); Gradual change to -
B23k	0.7 - 0.95 m	Yellowish brown (10YR5/4-Moist); Mottles, 7.5YR54, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Fine sandy medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; Many (20 - 50 %), Calcareous, Coarse (6 - 20 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9 (Raupach, 0.9);

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
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