Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **1698** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: Bright, J (Mitch)
Date Desc.: 21/07/93
Map Ref.: Sheet No. : 8155 GPS
Northing/Long.: 7629280 AMG zone: 55
Easting/Lat.: 417326 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: Existing vertical exposure, Sandstone

Land Form

Rel/Slope Class: Level plain <9m <1%
Morph. Type: Flat
Elem. Type: Plain
Slope: 2 %
Pattern Type: Plain
Relief: No Data
Slope Category: Gently inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Grey Kandosol Medium Non-gravelly Clay-loamy Clayey Deep
Mapping Unit: N/A
Principal Profile Form: Gn4.52

ASC Confidence:
Confidence level not specified
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, Mid-dense. *Species includes - Heteropogon contortus, Themeda triandra, Chrysopogon fallax Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus crebra

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A11	0 - 0.13 m	Dark brown (10YR3/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Gradual change to -
A12	0.13 - 0.3 m	Yellowish brown (10YR5/6-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.25); Gradual change to -
B21	0.3 - 0.55 m	Brownish yellow (10YR6/6-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.4); Gradual change to -
B22	0.55 - 0.9 m	Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR58, 20-50% , 15-30mm, Distinct; Mottles, 20-50% ; Light clay (Heavy); Weak grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.7); Clear change to -
B23	0.9 - 1.05 m	Pale brown (10YR6/3-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Coarse sandy light clay; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; 90-100%, fine gravelly, 2-6mm, subrounded, dispersed, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 1); Clear change to -
B31	1.05 - 1.7 m	Grey (10YR6/1-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 1.2); Field pH 7 (Raupach, 1.6); Abrupt change to -
B32	1.7 - 2.1 m	Light brownish grey (10YR6/2-Moist); Mottles, 7.5YR58, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Light clay; Strong grade of structure, 20-50 mm, Prismatic; Smooth-ped fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; , Calcareous, , ; , Gypseous, , ; Abrupt change to -

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C	2.1 - 2.7 m	Pale brown (10YR6/3-Moist); ; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Other pans, Very strongly cemented, Continuous, Massive; Field pH 8 (Raupach, 2.3);

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