Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2299** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 10/05/94
Map Ref.: Sheet No. : 8060 GPS
Northing/Long.: 7915514 AMG zone: 55
Easting/Lat.: 372262 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: Existing vertical exposure, Granite

Land Form

Rel/Slope Class: Rolling rises 9-30m 10-32%
Morph. Type: Lower-slope
Elem. Type: Footslope
Slope: 8 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: 180 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Sodic Eutrophic Grey Chromosol Thick Non-gravelly Sandy Clayey Very deep
Mapping Unit: N/A
Principal Profile Form: Dy3.43
ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: Solodic soil

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Heteropogon contortus, Bothriochloa decipiens,
Aristida species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus platyphylla, Eucalyptus crebra, Eucalyptus tessellaris

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

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

A1	0 - 0.1 m	Dark brown (10YR3/3-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Clear change to -
A21	0.1 - 0.25 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR68, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to -
A22e	0.25 - 0.32 m	Light yellowish brown (10YR6/4-Moist); Mottles, 10YR56, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Abrupt change to -
B21	0.32 - 0.8 m	Pale brown (10YR6/3-Moist); Mottles, 10YR58, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Sandy medium heavy clay; Strong grade of structure, 20-50 mm, Columnar; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.5); Clear change to -
B22	0.8 - 1.5 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR56, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Coarse sandy medium clay; Strong grade of structure, 20-50 mm, Angular blocky; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 1); Field pH 9 (Raupach, 1.5); Clear change to -
B23	1.5 - 1.7 m	Yellowish brown (10YR5/6-Moist); Mottles, 10YR63, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Coarse sandy medium clay; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , ; , Gypseous, , ;
C	1.7 - 1.75 m	; , Calcareous, , ; , Gypseous, , ;

Morphological Notes

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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