Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2383** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 24/10/94
Map Ref.: Sheet No. : 8060 GPS
Northing/Long.: 7916646 AMG zone: 55
Easting/Lat.: 347520 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Rapid
Drainage: 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: Rolling rises 9-30m 10-32%
Morph. Type: Crest
Elem. Type: Summit surface
Slope: 10 %
Pattern Type: Rises
Relief: No Data
Slope Category: Moderately inclined
Aspect: 90 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Bleached-Mottled Mesotrophic Yellow Chromosol Medium Very gravelly Loamy Clayey Moderately deep

Mapping Unit: N/A
Principal Profile Form: Dy3.42

ASC Confidence:
Analytical data are incomplete but reasonable confidence.

Great Soil Group: Yellow podzolic soil

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, Aristida species, Enneapogon species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus normantonensis, Hakea lorea

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

Surface Coarse Fragments: 90-100%, medium gravelly, 6-20mm, angular tabular, Metamorphic rock (unidentified)

Profile Morphology

A1	0 - 0.02 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 50-90%, coarse gravelly, 20-60mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear change to -
A2e	0.02 - 0.18 m	Yellowish brown (10YR5/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.18 - 0.3 m	Brown (10YR5/3-Moist); ; Sandy clay loam; Moderate grade of structure, 100-200 mm, Prismatic; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very strong consistence; 0-2%, medium gravelly, 6-20mm, angular, Sandstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.25); Clear change to -
B21	0.3 - 0.6 m	Light yellowish brown (10YR6/4-Moist); Mottles, 2.5YR58, 2-10% , 5-15mm, Faint; Mottles, 2-10% ; Sandy light medium clay; Dry; Very strong consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.45); Abrupt change to -
R	0.6 - 0.61 m	Rock

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:** 2383 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

Depth	pH	1:5 EC	Exchangeable Cations				Exchangeable Acidity	CEC	ECEC	ESP
			Ca	Mg	K	Na				
m		dS/m	Cmol (+)/kg							%
0 - 0.02	6.1A									
0.02 - 0.18	4.9A		1.4B	1.1	0.17	0.09				
0.18 - 0.3	4.8A									

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			%		
0 - 0.02												
0.02 - 0.18												
0.18 - 0.3												

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
0 - 0.02									
0.02 - 0.18									
0.18 - 0.3									

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Laboratory Analyses Completed for this profile

15A2_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_K	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_MG	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
15A2_NA	Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts
4A1	pH of 1:5 soil/water suspension