Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **2379** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 28/10/94
Map Ref.: Sheet No. : 7960 GPS
Northing/Long.: 7905129 AMG zone: 55
Easting/Lat.: 311918 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, No Data

Land Form

Rel/Slope Class: Rolling low hills 30-90m 10-32%
Morph. Type: Upper-slope
Elem. Type: Hillslope
Slope: 12 %
Pattern Type: Low hills
Relief: No Data
Slope Category: Moderately inclined
Aspect: No Data

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Brown Kandosol Medium Very gravelly Clay-loamy Clayey Moderately deep
Mapping Unit: N/A
Principal Profile Form: Gn2.22
ASC Confidence:
Confidence level not specified
Great Soil Group: Yellow earth

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

Vegetation:

Low Strata - Hummock grass, 0.26-0.5m, Isolated plants. *Species includes - Triodia mitchelii
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Acacia shirleyi
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Acacia shirleyi, Eucalyptus setosa, Eucalyptus shirleyi

Surface Coarse Fragments: 90-100%, coarse gravelly, 20-60mm, angular, Siltstone

Profile Morphology

A11	0 - 0.05 m	Brown (10YR4/3-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, coarse gravelly, 20-60mm, rounded, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 4.6 (Raupach, 0.02); Gradual change to -
A12	0.05 - 0.15 m	Dark greyish brown (10YR4/2-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; 10-20%, coarse gravelly, 20-60mm, rounded, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.1); Gradual change to -
B21	0.15 - 0.55 m	Yellowish brown (10YR5/6-Moist); ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, coarse gravelly, 20-60mm, rounded, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 5.5 (Raupach, 0.5); Gradual change to -
BC	0.55 - 0.7 m	Strong brown (7.5YR5/6-Moist); Mottles, 2.5YR46, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 20-50%, cobbly, 60-200mm, rounded, Siltstone, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.65);

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:** 2379 **Observation ID:** 1
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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							%
0 - 0.05	4.7A		1.6B	1	0.3	0.13				
0.15 - 0.55	5.2A									

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 - 0.05												
0.15 - 0.55												

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 - 0.05									
0.15 - 0.55									

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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