Project Name: **Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD**
Project Code: **DLR** **Site ID:** **652** **Observation ID:** **1**
Agency Name: **QLD Department of Primary Industries**

Site Information

Desc. By: M.G. Cannon
Date Desc.: 30/05/91
Map Ref.: Sheet No. : 8159-4 GPS
Northing/Long.: 7879009 AMG zone: 55
Easting/Lat.: 420273 Datum: AGD66
Locality:
Elevation: No Data
Rainfall: No Data
Runoff: Moderately rapid
Drainage: Poorly drained

Geology

ExposureType: No Data
Geol. Ref.: No Data
Conf. Sub. is Parent. Mat.: No Data
Substrate Material: Undisturbed soil core, Siltstone

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10%
Morph. Type: Mid-slope
Elem. Type: Fan
Slope: 4 %
Pattern Type: Rises
Relief: No Data
Slope Category: Gently inclined
Aspect: 45 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification:
Haplic Eutrophic Yellow Chromosol Medium Gravelly Sandy Clayey Very deep
Mapping Unit: N/A
Principal Profile Form: Dy3.83

ASC Confidence:
No analytical data are available but confidence is fair.
Great Soil Group: N/A

Site Disturbance: Limited clearing, for example selective logging

Vegetation:
Low Strata - , , . *Species includes - Heteropogon contortus, Phynchelytrum repens
Mid Strata - , , . *Species includes - Eucalyptus tessellaris
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 10-20%, coarse gravelly, 20-60mm, angular, Substrate material

Profile Morphology

A21	0 - 0.1 m	Brown (10YR5/3-Moist); ; Loamy sand; Moderate grade of structure, 20-50 mm, Platy; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Dry; Weak consistence; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
A22	0.1 - 0.23 m	Brown (10YR5/3-Moist); ; Sandy loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, angular, dispersed, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , ; , Gypseous, , ; Clear change to -
B2	0.23 - 0.5 m	Brownish yellow (10YR6/8-Moist); Substrate influence, 10YR73, 10-20% , 5-15mm, Distinct; Substrate influence, 10-20% ; Light medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; Very many (50 - 100 %), Ferruginous, Medium (2 -6 mm), Nodules; , Calcareous, , ; , Gypseous, , ; Field pH 6 (Raupach, 0.3); Clear change to -
2Ab	0.5 - 0.7 m	Dark grey (2.5Y4/0-Moist); ; Medium clay; Moderate grade of structure, 20-50 mm, Subangular blocky; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , ; , Gypseous, , ; Field pH 8 (Raupach, 0.6); Clear change to -
2B21b	0.7 - 1.2 m	Light olive brown (2.5Y5/4-Moist); ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Strong consistence; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach, 0.9); Clear change to -
2B22b	1.2 - 1.7 m	Light yellowish brown (2.5Y6/4-Moist); , 2.5Y56; Medium heavy clay; Moderate grade of structure, 50-100 mm, Lenticular; Smooth-ped fabric; Moderately moist; Very strong consistence; 20-50%, medium gravelly, 6-20mm, rounded, dispersed, Metamorphic rock (unidentified), coarse fragments; , Manganiferous, , ; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Concretions; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 9.5 (Raupach,

Morphological Notes

Observation Notes

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Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR **Site ID:** 652 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

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