

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 655 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

Desc. By: M.G. Cannon **Locality:**
Date Desc.: 31/05/91 **Elevation:** 410 metres
Map Ref.: Sheet No. : 8159-3 GPS **Rainfall:** No Data
Northing/Long.: 7854690 AMG zone: 55 **Runoff:** No Data
Easting/Lat.: 418710 Datum: AGD66 **Drainage:** No Data

Geology

Exposure Type: No Data **Conf. Sub. is Parent. Mat.:** No Data
Geol. Ref.: No Data **Substrate Material:** Undisturbed soil core, Metamorphic rock (unidentified)

Land Form

Rel/Slope Class: Undulating rises 9-30m 3-10% **Pattern Type:** Rises
Morph. Type: Mid-slope **Relief:** No Data
Elem. Type: Plain **Slope Category:** Gently inclined
Slope: 3 % **Aspect:** 0 degrees

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

Australian Soil Classification: Haplic Eutrophic Red Chromosol Medium Slightly gravelly Clay-loamy Clayey Deep **Mapping Unit:** N/A
Principal Profile Form: Dr2.13
ASC Confidence: No analytical data are available but confidence is fair. **Great Soil Group:** Red-brown earth

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Closed or dense. *Species includes - Bothriochloa species, Heteropogon contortus, Dichanthium species Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus erythrophloia

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus crebra

Surface Coarse Fragments: 2-10%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

A1	0 - 0.05 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Moderate grade of structure, 20-50 mm, Platy; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Common, fine (1-2mm) roots;
A3	0.05 - 0.2 m	Dark reddish brown (2.5YR3/4-Moist); ; Clay loam; Strong grade of structure, 20-50 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 2-10%, fine gravelly, 2-6mm, subangular, dispersed, Quartz, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.15); Few, fine (1-2mm) roots;
B21	0.2 - 0.7 m	Dark red (2.5YR3/6-Moist); ; Medium heavy clay; Strong grade of structure, 50-100 mm, Angular blocky; Strong grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Moderately moist; Very firm consistence; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Substrate material, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Few, fine (1-2mm) roots;
B22	0.7 - 1.1 m	Red (2.5YR4/6-Moist); ; Heavy clay; Strong grade of structure, 50-100 mm, Prismatic; Strong grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Strong consistence; , Calcareous, , , Gypseous, , ; Field pH 8.5 (Raupach, 0.9);
BC	1.1 - 1.4 m	; Medium clay; Moderate grade of structure, 50-100 mm, Lenticular; Moderate grade of structure, 10-20 mm, Subangular blocky; Strong consistence; Many (20 - 50 %), Calcareous, Medium (2 - 6 mm), Soft segregations; , Gypseous, , ; Soil matrix is Highly calcareous; Field pH 9.5 (Raupach, 1.2);
C	1.4 - 1.42 m	; , Calcareous, , , Gypseous, , ; Soil matrix is Highly calcareous;

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

4A1 pH of 1:5 soil/water suspension