

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 711 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 12/08/91 | Elevation: | 350 metres |
| Map Ref.: | Sheet No. : 8158 GPS | Rainfall: | No Data |
| Northing/Long.: | 7812440 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 414712 Datum: AGD66 | Drainage: | Well drained |

Geology

| | | | |
|-----------------------|---------|------------------------------------|---------|
| Exposure Type: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|--------------------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | Plateau |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Very gently sloped |
| Slope: | 3 % | Aspect: | 250 degrees |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-----------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Eutrophic Red Kandosol Medium Non-gravelly Clay-loamy Clayey Very deep | | Principal Profile Form: | Gn2.11 |
| ASC Confidence: | | Great Soil Group: | Red earth |

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Hummock grass, 0.26-0.5m, Mid-dense. *Species includes - TRIODIA SPECIES ?, Eragrostis species, Digitaria ciliaris
Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia shirleyi, Eucalyptus papuana, Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|--|
| A1 | 0 - 0.12 m | Dusky red (2.5YR3/2-Moist); ; Sandy clay loam; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Diffuse change to - |
| A3 | 0.12 - 0.28 m | Dusky red (2.5YR3/2-Moist); ; Clay loam, sandy; Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Gradual change to - |
| B21 | 0.28 - 1.2 m | Dark reddish brown (2.5YR3/3-Moist); ; Light clay; Earthy fabric; Dry; Very strong consistence; Very many (50 - 100 %), , Medium (2 -6 mm), Laminae; , Calcareous, , , Gypseous, , ; Field pH 5.5 (Raupach, 0.6); Field pH 5.8 (Raupach, 1.2); Diffuse change to - |
| B22 | 1.2 - 1.5 m | Red (10R4/6-Moist); ; Light medium clay; Earthy fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Diffuse change to - |

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