

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1701 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | |
|---|-------------------------------|
| Desc. By: Rogers, Gary | Locality: |
| Date Desc.: 10/05/93 | Elevation: No Data |
| Map Ref.: Sheet No. : 8055 GPS | Rainfall: No Data |
| Northing/Long.: 7676263 AMG zone: 55 | Runoff: Very slow |
| Easting/Lat.: 370151 Datum: AGD66 | Drainage: Well drained |

Geology

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

Land Form

| | |
|--|---|
| Rel/Slope Class: Gently undulating plains <9m 1-3% | Pattern Type: Plain |
| Morph. Type: Flat | Relief: No Data |
| Elem. Type: Plain | Slope Category: Very gently sloped |
| Slope: 1 % | Aspect: No Data |

Surface Soil Condition (dry): Soft, Firm

Erosion:

Soil Classification

| | |
|--|---|
| Australian Soil Classification: | Mapping Unit: N/A |
| Basic Regolithic Bleached-Leptic Tenosol | Principal Profile Form: Uc |
| ASC Confidence: | Great Soil Group: Siliceous sand |
| Confidence level not specified | |

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Eriachne species, Chrysopogon fallax, Aristida

Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Alphitonia excelsa, Acacia species, Eucalyptus crebra

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus crebra, Eucalyptus papuana, Eucalyptus polycarpa

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.08 m | Dark yellowish brown (10YR3/4-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.04); Clear change to - |
| A12 | 0.08 - 0.17 m | Dark yellowish brown (10YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Gradual change to - |
| A13 | 0.17 - 0.42 m | Light brown (7.5YR6/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.3); Gradual change to - |
| A2e | 0.42 - 0.6 m | Light brown (7.5YR6/4-Moist); ; Clayey sand (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.5); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable | CEC | ECEC | | ESP | | |
|-------|-------|---------------------------------------|----------------------|---------|---------|-------------------|--------------|-------------|----|---------|---------------|------|
| m | | dS/m | Ca | Mg | K | Na Cmol (+)/kg | Acidity | | | | % | |
| | | | | | | | | | | | | |
| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle GV | CS | Size FS | Analysis Silt | Clay |
| m | % | % | mg/kg | % | % | % | Mg/m3 | | | % | | |
| | | | | | | | | | | | | |
| Depth | COLE | Gravimetric/Volumetric Water Contents | | | | | | K sat | | K unsat | | |
| m | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | | | | |
| | | | | | g/g - | m3/m3 | | | | mm/h | mm/h | |

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Laboratory Analyses Completed for this profile