

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2030 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | |
|---|-------------------------------|
| Desc. By: Rogers, Gary | Locality: |
| Date Desc.: 21/06/93 | Elevation: No Data |
| Map Ref.: Sheet No. : 8155 GPS | Rainfall: No Data |
| Northing/Long.: 7664847 AMG zone: 55 | Runoff: Slow |
| Easting/Lat.: 448014 Datum: AGD66 | Drainage: Well drained |

Geology

| | |
|-------------------------------|---|
| Exposure Type: 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 rises 9-30m 1-3% | Pattern Type: Rises |
| Morph. Type: Simple-slope | Relief: No Data |
| Elem. Type: Hillslope | Slope Category: Very gently sloped |
| Slope: 2 % | Aspect: No Data |

Surface Soil Condition (dry): Firm, Soft

Erosion:

Soil Classification

| | |
|---|---------------------------------------|
| Australian Soil Classification: | Mapping Unit: N/A |
| Haplic Eutrophic Red Kandosol Medium Non-gravelly Loamy Clayey Deep | Principal Profile Form: Gn2.12 |
| 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, Sparse. *Species includes - Triodia mitchellii
 Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Erythroxylon australe, Grevillea species
 Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus shirleyi, Eucalyptus polycarpa, Eucalyptus

papuana

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.06 m | Dark reddish brown (5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.03); Abrupt change to - |
| A12 | 0.06 - 0.13 m | Dark reddish brown (2.5YR3/4-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to - |
| A13 | 0.13 - 0.28 m | Dark reddish brown (2.5YR2/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; Few (2 - 10 %), Manganiferous, , , , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to - |
| B21 | 0.28 - 0.5 m | Red (2.5YR4/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , , Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.5); Gradual change to - |
| B22 | 0.5 - 1.5 m | ; Sandy light clay (Light); , Calcareous, , , , Gypseous, , , |

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 | Size CS | Analysis FS | 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