

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2269 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | |
|---|--------------------------------------|
| Desc. By: Rogers, Gary | Locality: |
| Date Desc.: 25/08/93 | Elevation: No Data |
| Map Ref.: Sheet No. : 7859 GPS | Rainfall: No Data |
| Northing/Long.: 7869726 AMG zone: 55 | Runoff: Moderately rapid |
| Easting/Lat.: 259091 Datum: AGD66 | Drainage: Imperfectly drained |

Geology

| | |
|------------------------------|--|
| ExposureType: No Data | Conf. Sub. is Parent. Mat.: No Data |
| Geol. Ref.: No Data | Substrate Material: Existing vertical exposure, 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: Gently inclined |
| Slope: 3 % | Aspect: No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | |
|---|---------------------------------------|
| Australian Soil Classification: | Mapping Unit: N/A |
| Haplic Eutrophic Brown Chromosol Medium Non-gravelly Loamy Clayey Deep | Principal Profile Form: Dy3.11 |
| ASC Confidence: | Great Soil Group: No suitable |

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Themeda triandra, Aristida species, Heteropogon contortus Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eucalyptus brownii, Grevillea species

Tall Strata - Tree, 12.01-20m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus normantonensis

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subangular, Sandstone

Profile Morphology

| | | |
|-----|--------------|---|
| A1 | 0 - 0.2 m | Dark yellowish brown (10YR4/4-Moist); ; Sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.1); Clear change to - |
| B21 | 0.2 - 0.75 m | Yellowish brown (10YR5/8-Moist); ; Sandy light clay; Moderate grade of structure, 20-50 mm, Prismatic; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.4); Gradual change to - |
| B22 | 0.75 - 1.2 m | Yellowish brown (10YR5/6-Moist); ; Medium clay; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Metamorphic rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.9); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | | Exchangeable | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|---|-------------|--------------|-----|------|-----|
| | | dS/m | Ca | Mg | K | Na | Acidity | | | |
| m | | | | | | Cmol (+)/kg | | | | % |

| Depth | CaCO3 | Organic | Avail. | Total | Total | Total | Bulk | Particle | | Size | Analysis | |
|-------|-------|---------|--------|-------|-------|-------|---------|----------|----|------|----------|------|
| | | C | P | P | N | K | Density | 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