

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 483 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|------------|
| Desc. By: | Day, KJ (Ken) | Locality: | |
| Date Desc.: | 08/11/91 | Elevation: | 290 metres |
| Map Ref.: | Sheet No. : 8256 GPS | Rainfall: | No Data |
| Northing/Long.: | 7722530 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 477742 Datum: AGD66 | Drainage: | No Data |

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: | Rises |
| Morph. Type: | Mid-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Very gently sloped |
| Slope: | 3 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|---|--------------------------------|----------------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Eutrophic Subnatric Brown Sodosol Medium Non-gravelly Loamy Clayey Moderately deep | Principal Profile Form: | Dy2.32 |
| ASC Confidence: | Great Soil Group: | Yellow podzolic soil |
| 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 - Aristida species, Chrysopogon fallax, Eragrostis
Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus brownii, Eremophila mitchellii, Acacia species
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Eucalyptus brownii

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|---|
| A1 | 0 - 0.12 m | Dark brown (10YR3/3-Moist); ; Sandy loam (Light); Dry; , Calcareous, , , , Gypseous, , ; Field pH 6.8 (Raupach, 0.05); |
| A2j | 0.12 - 0.25 m | Yellowish brown (10YR5/4-Moist); ; Sandy loam (Heavy); Dry; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); |
| B2 | 0.25 - 0.6 m | Yellowish brown (10YR5/6-Moist); ; Medium clay; Dry; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 7.3 (Raupach, 0.4); |

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 | | Size | Analysis |
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV | CS | FS % | Silt Clay |
| | | | | | | | | | | | |
| 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