

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1592 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|-------------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 22/04/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7956 GPS | Rainfall: | No Data |
| Northing/Long.: | 7714220 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 318280 Datum: AGD66 | Drainage: | Moderately 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: | No Data | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Very gently sloped |
| Slope: | 2 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Eutrophic Yellow Kandosol Thick Non-gravelly Clay-loamy Clayey Moderately deep | Principal Profile Form: | Gn |
| ASC Confidence: | Great Soil Group: | Yellow earth |
| Confidence level not specified | | |

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

Vegetation:

| | |
|---------------------------|---|
| <u>Vegetation:</u> | Low Strata - Hummock grass, 0.51-1m, Sparse. *Species includes - Triodia mitchellii, Chrysopogon fallax, |
| Heteropogon | contortus |
| tamariscina, Petalostigma | Mid Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus shirleyi, Melaleuca |
| pubescens | |
| | Tall Strata - Tree, 12.01-20m, Isolated plants. *Species includes - Eucalyptus similis, Eucalyptus crebra |

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|---|
| A11 | 0 - 0.09 m | Brown (10YR4/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); |
| A2 | 0.09 - 0.28 m | Brownish yellow (10YR6/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.2); |
| A3 | 0.28 - 0.5 m | Brownish yellow (10YR6/6-Moist); Mottles, 10YR68, 2-10% , 5-15mm, Prominent; Mottles, 2-10% ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); |
| B2 | 0.5 - 0.75 m | Brownish yellow (10YR6/8-Moist); Mottles, 10YR64, 10-20% , 5-15mm, Prominent; Mottles, 10-20% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.7); |

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