

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1497 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 26/10/92 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8056 GPS | Rainfall: | No Data |
| Northing/Long.: | 7711436 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 354306 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: | Level plain <9m <1% | Pattern Type: | Plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | No Data |

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Bleached Eutrophic Yellow Kandosol Medium Non-gravelly | Principal Profile Form: | Dy3.81 |
| Sandy Clay-loamy Moderately deep | | |

| | | |
|--|--------------------------|-----|
| ASC Confidence: | Great Soil Group: | N/A |
| 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 - Chrysopogon fallax, Heteropogon contortus, Aristida species Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Acacia torulosa

Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.06 m | Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.03); Abrupt change to - |
| A12 | 0.06 - 0.15 m | Brown (10YR4/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.1); Clear change to - |
| A2e | 0.15 - 0.25 m | Light yellowish brown (10YR6/4-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.2); Clear change to - |
| B21 | 0.25 - 0.45 m | Light yellowish brown (10YR6/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Firm consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.35); Clear change to - |
| B22 | 0.45 - 0.55 m | Brownish yellow (10YR6/6-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , 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 Acidity | | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|---|----------------------|--|-----|------|-----|
| m | | dS/m | Ca | Mg | K | Na | | | | % |
| | | | | | | Cmol (+)/kg | | | | |

| 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 |
|-------|------|---------------------------------------|----------|---------|-------------|-------|-------|--------|-----------|
| | | 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