

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1272 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 21/07/92 | Elevation: | 480 metres |
| Map Ref.: | Sheet No. : 8059 GPS | Rainfall: | No Data |
| Northing/Long.: | 7864556 AMG zone: 55 | Runoff: | Rapid |
| Easting/Lat.: | 354161 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: | Undulating hills 90-300m 3- | Pattern Type: | Hills |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Hillcrest | Slope Category: | Gently inclined |
| Slope: | 5 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|--|--------------------------------|----------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Basic Paralithic Orthic Tenosol Medium Moderately gravelly | Principal Profile Form: | Uc5.11 |
| Sandy Sandy Shallow | Great Soil Group: | Lithosol |

ASC Confidence:

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, Heteropogon contortus, Cleistochloa subjuncea Mid Strata - Tree, 1.01-3m, Sparse. *Species includes - Eucalyptus shirleyi,

Eucalyptus persistens

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus shirleyi, Eucalyptus peltata

Surface Coarse Fragments: 20-50%, fine gravelly, 2-6mm, subrounded, Granite

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.09 m | Reddish brown (5YR4/4-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.03); Clear change to - |
| A12 | 0.09 - 0.25 m | Yellowish red (5YR4/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.2); Clear change to - |
| B21 | 0.25 - 0.45 m | Yellowish red (5YR5/6-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; 50-90%, fine gravelly, 2-6mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (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 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