

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2121 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 07/10/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7758 GPS | Rainfall: | No Data |
| Northing/Long.: | 7816922 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 234153 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: | Rolling rises 9-30m 10-32% | Pattern Type: | Rises |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Hillcrest | Slope Category: | No Data |
| Slope: | 20 % | Aspect: | No Data |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|----------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Paralithic Leptic Tenosol | | Principal Profile Form: | Uc5.11 |
| ASC Confidence: | | Great Soil Group: | Lithosol |

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, 0.51-1m, Sparse. *Species includes - Aristida species, Heteropogon contortus
Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus crebra, Petalostigma pubescens,

Eucalyptus

peltata

Tall Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus crebra, Eucalyptus peltata

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|---|--------------|---|
| A | 0 - 0.08 m | Yellowish red (5YR4/6-Moist); ; Loamy coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 2-10%, medium gravelly, 6-20mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); |
| B | 0.08 - 0.3 m | Yellowish red (5YR5/6-Moist); ; Loamy coarse sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, dispersed, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.25); |
| C | 0.3 - 0.5 m | Strong brown (7.5YR5/8-Moist); ; Loamy coarse sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, dispersed, 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