

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1320 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 04/08/92 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8059 GPS | Rainfall: | No Data |
| Northing/Long.: | 7893570 AMG zone: 55 | Runoff: | Rapid |
| Easting/Lat.: | 374170 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, Granite |

Land Form

| | | | |
|-------------------------|-----------------------------------|------------------------|-----------------|
| Rel/Slope Class: | Undulating low hills 30-90m 3-10% | Pattern Type: | Hills |
| Morph. Type: | Ridge | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Gently inclined |
| Slope: | 6 % | Aspect: | No Data |

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

| | | |
|--|--------------------------------|----------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Basic Paralithic Orthic Tenosol Medium Moderately gravelly Sandy Sandy Shallow | Principal Profile Form: | Uc5.21 |
| ASC Confidence: | Great Soil Group: | Siliceous sand |

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Themeda triandra, Bothriochloa species, Aristida species Mid Strata - Tree, 1.01-3m, Very sparse. *Species includes - Eucalyptus species, Petalostigma pubescens

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

Surface Coarse Fragments: 20-50%, medium gravelly, 6-20mm, angular, Quartz

Profile Morphology

| | | |
|-----|---------------|---|
| A11 | 0 - 0.05 m | Dark brown (7.5YR3/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.05); Abrupt change to - |
| A12 | 0.05 - 0.2 m | Brown (7.5YR4/4-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.15); Clear change to - |
| B2 | 0.2 - 0.45 m | Strong brown (7.5YR4/6-Moist); ; Clayey sand (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; 20-50%, medium gravelly, 6-20mm, angular, Granite, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.4); Gradual change to - |
| C | 0.45 - 0.55 m | ; , Calcareous, , , , Gypseous, , , |

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 | % |
| 0 - 0.05 | 6.3A | | 2.9B | 1.3 | 0.29 | 0.04 | | |
| 0.05 - 0.2 | 6.1A | | | | | | | |
| 0.2 - 0.45 | 5.8A | | 2B | 1.8 | 0.15 | 0.09 | | |

[illegible][illegible]

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Laboratory Analyses Completed for this profile

| | |
|---------|--|
| 10B | Extractable sulfur(mg/kg) - Phosphate extractable sulfur |
| 15A2_CA | Exchangeable bases (Ca2+,Mg2+,Na+,K+) - 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_K | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_MG | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15A2_NA | Exchangeable bases- 1M ammonium chloride at pH 7.0, pretreatment for soluble salts |
| 15N1 | Exchangeable sodium percentage (ESP) |
| 4A1 | pH of 1:5 soil/water suspension |