

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1264 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|-------------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 20/07/92 | Elevation: | 320 metres |
| Map Ref.: | Sheet No. : 8059 GPS | Rainfall: | No Data |
| Northing/Long.: | 7856249 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 378889 Datum: AGD66 | Drainage: | Moderately 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: | Low hills |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Hillcrest | Slope Category: | Gently inclined |
| Slope: | 4 % | Aspect: | 90 degrees |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|-------------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Mesotrophic Brown Chromosol Thick Slightly gravelly Sandy Clayey Moderately deep | | Principal Profile Form: | Dr2.52 |
| ASC Confidence: | | Great Soil Group: | No suitable group |

Analytical data are incomplete but reasonable confidence.

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Urochloa mosambicensis, Heteropogon contortus,
 Themeda triandra Mid Strata - , , . *Species includes - None recorded

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

Surface Coarse Fragments: 2-10%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

| | | |
|-----|-------------|---|
| A11 | 0 - 0.1 m | Dark reddish brown (5YR3/3-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to - |
| A12 | 0.1 - 0.3 m | Dark red (2.5YR3/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; , Calcareous, , ; , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Clear change to - |
| B21 | 0.3 - 0.7 m | Dark yellowish brown (10YR3/6-Moist); ; Light clay; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, medium gravelly, 6-20mm, subrounded, Quartz, coarse fragments; , Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.5); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth m | pH | 1:5 EC dS/m | Ca | Exchangeable Mg | Cations K | Na Cmol (+)/kg | Exchangeable Acidity | CEC | ECEC | ESP % |
|------------|------|----------------|------|--------------------|--------------|-------------------|-------------------------|-----|------|----------|
| 0 - 0.1 | 6.6A | | 3.8B | 1.1 | 0.62 | 0.03 | | | | |
| 0.1 - 0.3 | 6.6A | | | | | | | | | |
| 0.3 - 0.7 | 6.7A | | 2.6B | 1 | 0.2 | 0.03 | | | | |

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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 |