

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1340 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 07/08/92 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8059 GPS | Rainfall: | No Data |
| Northing/Long.: | 7876565 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 386988 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: | Gently undulating plains <9m 1-3% | Pattern Type: | Plain |
| Morph. Type: | Simple-slope | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Very gently sloped |
| Slope: | 2 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|---|--------------------------------|-----------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Haplic Mesotrophic Brown Kandosol Medium Non-gravelly | Principal Profile Form: | Gn2.12 |
| Loamy Clayey Deep | Great Soil Group: | Red earth |

ASC Confidence:
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 - Heteropogon contortus, Themeda triandra,

Phynchelytrum repens Mid Strata - Tree, 3.01-6m, Isolated plants. *Species includes - Eucalyptus erythrophloia, Planchonia careya, Acacia

Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Surface Coarse Fragments: 0-2%, fine gravelly, 2-6mm, angular, Quartz

Profile Morphology

| | | |
|-----|---------------|--|
| A11 | 0 - 0.06 m | Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Abrupt change to - |
| A12 | 0.06 - 0.18 m | Dark brown (7.5YR3/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.15); Clear change to - |
| A3 | 0.18 - 0.35 m | Dark reddish brown (5YR3/4-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Clear change to - |
| B2 | 0.35 - 1.4 m | Dark red (2.5YR3/6-Moist); ; Sandy light clay (Light); Massive grade of structure; Earthy fabric; Moderately moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, subangular, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 1.4); |

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 - 0.06 | 6.5A | | 2.5B | 0.79 | 0.26 | 0.05 | | | | |
| 0.18 - 0.35 | 6.6A | | | | | | | | | |
| 0.35 - 1.4 | 6.3A | | 1.5B | 0.81 | 0.24 | 0.06 | | | | |

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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 |