

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1806 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|---------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 25/05/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8255 GPS | Rainfall: | No Data |
| Northing/Long.: | 7670244 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 483348 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: | Level plain <9m <1% | Pattern Type: | Alluvial plain |
| Morph. Type: | No Data | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Gently inclined |
| Slope: | 1 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|-------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Basic Fluvic Orthic Tenosol Thin Non-gravelly Sandy Loamy Very deep | | Principal Profile Form: | Uc5.11 |
| ASC Confidence: | | Great Soil Group: | Earthy sand |
| Confidence level not specified | | | |

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

Vegetation: Low Strata - , , . *Species includes - None recorded
 Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus brownii, Eucalyptus tereticornis
 Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus brownii, Eucalyptus tereticornis

Surface Coarse Fragments:

Profile Morphology

| | | |
|------|--------------|---|
| A11 | 0 - 0.08 m | Brown (7.5YR4/4-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.05); |
| A12j | 0.08 - 0.5 m | Strong brown (7.5YR5/6-Moist); ; Loamy fine sand; Massive grade of structure; Earthy fabric; Dry; Very weak consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.3); |
| B1j | 0.5 - 0.8 m | Yellowish red (5YR5/8-Moist); ; Fine sandy loam (Heavy); Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7 (Raupach, 0.6); |
| B2 | 0.8 - 1.2 m | Yellowish red (5YR5/8-Moist); ; Fine sandy loam (Heavy); Weak grade of structure, 10-20 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; ; Calcareous, , ; , Gypseous, , ; Field pH 7.5 (Raupach, 1.2); |

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 | CS | Size FS | Analysis 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