

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 847 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|------------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 24/10/91 | Elevation: | 260 metres |
| Map Ref.: | Sheet No. : 8156 GPS | Rainfall: | No Data |
| Northing/Long.: | 7693672 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 414174 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: | Plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Eutrophic Yellow Kandosol Medium Non-gravelly Clay-loamy Clay-loamy Deep | Principal Profile Form: | Um4.23 |
| ASC Confidence: | Great Soil Group: | Yellow earth |

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - , , . *Species includes - Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus melanophloia
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus melanophloia, Eucalyptus papuana

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|------|---------------|---|
| A11 | 0 - 0.05 m | Dark brown (10YR3/3-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, |
| A12 | 0.05 - 0.15 m | Dark yellowish brown (10YR4/4-Moist); ; Sandy clay loam (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; |
| B21 | 0.15 - 1 m | Yellowish brown (10YR5/6-Moist); ; Sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.6); |
| B22c | 1 - 1.2 m | Light yellowish brown (2.5Y6/4-Moist); Mottles, 2.5YR36, 10-20% , 15-30mm, Prominent; Mottles, 10-20% ; Sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; Common (10 - 20 %), Ferruginous, Coarse (6 - 20 mm), Concretions; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 1.2); |

Morphological Notes

Observation Notes

Site Notes

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 847 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | | Exchangeable | | CEC | ECEC | | ESP | |
|-------|----|--------|----------------------|----|---|--------------|---------|-----|------|--|-----|---|
| m | | dS/m | Ca | Mg | K | Na | Acidity | | | | | % |
| | | | | | | Cmol (+)/kg | | | | | | |

| Depth | CaCO3 | Organic C | Avail. P | Total P | Total N | Total K | Bulk Density | Particle | | Size | Analysis |
|-------|-------|-----------|----------|---------|---------|---------|--------------|----------|----|------|-----------|
| m | % | % | mg/kg | % | % | % | Mg/m3 | GV | CS | FS | Silt Clay |
| | | | | | | | | | | % | |

| 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 |

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 847 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile