

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 835 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|------------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 23/10/91 | Elevation: | 280 metres |
| Map Ref.: | Sheet No. : 8156 GPS | Rainfall: | No Data |
| Northing/Long.: | 7692556 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 406231 Datum: AGD66 | Drainage: | No Data |

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: | 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 |
| Bleached-Mottled Mesotrophic Yellow Chromosol Thick Non-gravelly Sandy Clayey Moderately deep | Principal Profile Form: | Dy3.42 |
| ASC Confidence: | Great Soil Group: | Yellow podzolic soil |
| No analytical data are available but confidence is fair. | | |

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

Vegetation: Low Strata - Tussock grass, 1.01-3m, Mid-dense. *Species includes - Aristida species, Dichanthium species, Heteropogon contortus Mid Strata - Tree, 6.01-12m, Isolated plants. *Species includes - Eucalyptus polycarpa, Eucalyptus papuana, Eucalyptus crebra
Tall Strata - Tree, 12.01-20m, Mid-dense. *Species includes - Eucalyptus crebra, Eucalyptus polycarpa

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|------|---------------|--|
| A11 | 0 - 0.08 m | Very dark greyish brown (10YR3/2-Moist); ; Loamy sand; Single grain grade of structure; Earthy fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , Field pH 5.8 (Raupach, 0.05); Clear change to - |
| A12 | 0.08 - 0.18 m | Brown (10YR4/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Clear change to - |
| A21 | 0.18 - 0.4 m | Brown (10YR5/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , Diffuse change to - |
| A21c | 0.4 - 0.5 m | Brown (10YR5/3-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; Many (20 - 50 %), Manganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Abrupt change to - |
| B21 | 0.5 - 0.6 m | Light brownish grey (10YR6/2-Moist); Mottles, 10YR68, 20-50% , 5-15mm, Prominent; Mottles, 20-50% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.6); |

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: 835 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 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 | |

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD
Project Code: DLR Site ID: 835 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile