

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2216 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|-------------------------|
| Desc. By: | Bright, J (Mitch) | Locality: | |
| Date Desc.: | 21/10/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 7959 GPS | Rainfall: | No Data |
| Northing/Long.: | 7886518 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 324094 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: | Level plain <9m <1% | Pattern Type: | Alluvial plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | No Data |

Surface Soil Condition (dry): Loose

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Mottled Calcic Yellow Chromosol Thin Slightly gravelly Sandy Clayey Deep | Principal Profile Form: | Dy5.43 |
| ASC Confidence: | Great Soil Group: | Solodic 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, 0.26-0.5m, Sparse. *Species includes - Chrysopogon fallax, Themeda triandra
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eucalyptus platyphylla, Acacia nervosa
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus platyphylla, Eucalyptus crebra, Unknown

species

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|--|
| A1 | 0 - 0.08 m | Brown (7.5YR4/2-Moist); ; Loamy sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to - |
| A21 | 0.08 - 0.37 m | Light reddish brown (5YR6/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, rounded, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.2); Gradual change to - |
| A22 | 0.37 - 0.6 m | Light reddish brown (5YR6/4-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 10-20%, medium gravelly, 6-20mm, rounded, dispersed, coarse fragments; Few (2 - 10 %), Ferromanganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.5); Sharp change to - |
| B1 | 0.6 - 0.8 m | ; Moderate grade of structure, 5-10 mm, Angular blocky; Firm consistence; , Calcareous, , , Gypseous, , ; Ferricrete, Strongly cemented, Broken, Nodular; Clear change to - |
| B2 | 0.8 - 1.4 m | Light yellowish brown (10YR6/4-Moist); Mottles, 10YR7.4, 2-10% , 0-5mm, Prominent; Mottles, 2-10% ; Coarse sandy medium clay; Common (10 - 20 %), Calcareous, Coarse (6 - 20 mm), Nodules; , Gypseous, , ; Field pH 8.5 (Raupach, 1); |

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: 2216 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Test Results:

| Depth | pH | 1:5 EC | Exchangeable Cations | | Exchangeable Acidity | | CEC | ECEC | ESP |
|-------|----|--------|----------------------|----|----------------------|-------------|-----|------|-----|
| m | | dS/m | Ca | Mg | K | Na | | | |
| | | | | | | 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 |
|-------|------|---------------------------------------|----------|---------|-------------|-------|-------|--------|-----------|
| | | Sat. | 0.05 Bar | 0.1 Bar | 0.5 Bar | 1 Bar | 5 Bar | 15 Bar | |
| m | | | | | 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: 2216 Observation ID: 1
Agency Name: QLD Department of Primary Industries

Laboratory Analyses Completed for this profile