

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1910 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|-------------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 25/05/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8255 GPS | Rainfall: | No Data |
| Northing/Long.: | 7659178 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 484771 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: | Gently undulating plains <9m 1-3% | Pattern Type: | Plain |
| Morph. Type: | No Data | 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 Eutrophic Red Dermosol Medium Non-gravelly Clay-loamy Clayey Moderately deep | Principal Profile Form: | Gn3.13 |
| ASC Confidence: | Great Soil Group: | Red earth |
| No analytical data are available but confidence is fair. | | |

Site Disturbance: Extensive clearing, for example poisoning, ringbarking

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Cenchrus ciliaris
Mid Strata - , , . *Species includes - None recorded
Tall Strata - Shrub, 1.01-3m, Sparse. *Species includes - Terminalia oblongata, Lysiphillum carronii

Surface Coarse Fragments: 0-2%, medium gravelly, 6-20mm, subangular, Shells

Profile Morphology

| | | |
|-----|--------------|---|
| A11 | 0 - 0.1 m | Dark brown (7.5YR3/4-Moist); ; Clay loam, fine sandy; Moderate grade of structure, 5-10 mm, Platy; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); Clear change to - |
| A12 | 0.1 - 0.22 m | Yellowish red (5YR5/8-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.15); Clear change to - |
| A2j | 0.22 - 0.3 m | Strong brown (7.5YR4/6-Moist); ; Fine sandy light clay; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.28); Gradual change to - |
| B21 | 0.3 - 0.42 m | Yellowish red (5YR4/6-Moist); ; Fine sandy light medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.4); |

Morphological Notes

Observation Notes

Site Notes

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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 |

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Laboratory Analyses Completed for this profile