

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2036 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|-------------------------|-------------------|---------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 22/06/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8055 GPS | Rainfall: | No Data |
| Northing/Long.: | 7647238 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 448099 Datum: AGD66 | Drainage: | Imperfectly drained |

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: | Gently undulating plains <9m 1-3% | 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): Hardsetting

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Haplic Subnatric Brown Sodosol Medium Non-gravelly Clay-loamy Clayey Moderately deep | Principal Profile Form: | Db1.33 |
| ASC Confidence: | Great Soil Group: | Solodic soil |

No analytical data are available but confidence is fair.

Site Disturbance: Limited clearing, for example selective logging

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Very sparse. *Species includes - None recorded
Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Lysipillum carronii
Tall Strata - Tree, 6.01-12m, Mid-dense. *Species includes - Acacia argyrodendron

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|-------------|--|
| A1 | 0 - 0.1 m | Brown (10YR4/3-Moist); ; Fine sandy clay loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Clear change to - |
| A2j | 0.1 - 0.2 m | Dark yellowish brown (10YR3/4-Moist); ; Clay loam, fine sandy; Massive grade of structure; Earthy fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.18); Clear change to - |
| B2 | 0.2 - 1.2 m | Dark yellowish brown (10YR4/4-Moist); ; Light medium clay; Moderate grade of structure; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , , Soil matrix is Moderately calcareous; Field pH 8.5 (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 | Size CS | Analysis FS | 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