

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1704 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------------------|
| Desc. By: | Rogers, Gary | Locality: | |
| Date Desc.: | 11/05/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8055 GPS | Rainfall: | No Data |
| Northing/Long.: | 7662573 AMG zone: 55 | Runoff: | Slow |
| Easting/Lat.: | 354618 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: | Level plain <9m <1% | Pattern Type: | Alluvial plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | No Data |
| Slope: | 1 % | Aspect: | No Data |

Surface Soil Condition (dry): Firm

Erosion:

Soil Classification

| | | |
|---|--------------------------------|-------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Haplic Eutrophic Brown Dermosol Medium Non-gravelly Clay-loamy Clayey Shallow | Principal Profile Form: | Gn3 |
| ASC Confidence: | Great Soil Group: | Brown earth |
| Confidence level not specified | | |

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

Vegetation: Low Strata - Tussock grass, <0.25m, Very sparse. *Species includes - Sporobolus caroli, Aristida species
Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Lysipillum carronii, Bursaria
incana

Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus brownii, Eucalyptus crebra

Surface Coarse Fragments:

Profile Morphology

| | | |
|-----|---------------|---|
| A11 | 0 - 0.06 m | Dark brown (10YR3/3-Moist); ; Fine sandy clay loam (Light); Weak grade of structure, 5-10 mm, Platy; Rough-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.04); Clear change to - |
| A12 | 0.06 - 0.25 m | Dark yellowish brown (10YR3/4-Moist); ; Fine sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.2); Gradual change to - |
| B2 | 0.25 - 0.45 m | Brown (10YR4/3-Moist); ; Sandy light clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.4); |

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