

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 1749 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | Barry, Earl | Locality: | |
| Date Desc.: | 12/05/93 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8055 GPS | Rainfall: | No Data |
| Northing/Long.: | 7668436 AMG zone: 55 | Runoff: | Very slow |
| Easting/Lat.: | 372893 Datum: AGD66 | Drainage: | Well drained |

Geology

| | | | |
|----------------------|---------|------------------------------------|---------|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | 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): Soft

Erosion:

Soil Classification

| | | |
|--|--------------------------------|--------------|
| Australian Soil Classification: | Mapping Unit: | N/A |
| Bleached-Mottled Eutrophic Yellow Kandosol Medium Non-gravelly Sandy Clayey Deep | Principal Profile Form: | Gn2.74 |
| ASC Confidence: | Great Soil Group: | Yellow earth |

No analytical data are available but confidence is fair.

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

Vegetation: Low Strata - Hummock grass, 0.51-1m, Sparse. *Species includes - Triodia mitchellii, Aristida species, Cymbopogon bombycinus Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca species

Tall Strata - Tree, 6.01-12m, Very sparse. *Species includes - Eucalyptus papuana, Eucalyptus melanophloia

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|----|--------------|---|
| A1 | 0 - 0.12 m | Dark brown (10YR3/3-Moist); ; Loamy sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6.5 (Raupach, 0.07); Clear change to - |
| A2 | 0.12 - 0.5 m | Brownish yellow (10YR6/6-Moist); ; Sand; Single grain grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.45); Diffuse change to - |
| A3 | 0.5 - 0.7 m | Brownish yellow (10YR6/6-Moist); ; Clayey sand; Massive grade of structure; Earthy fabric; Dry; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.7); Gradual change to - |
| B1 | 0.7 - 0.8 m | Brownish yellow (10YR6/6-Moist); ; Sandy clay loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 0.8); Gradual change to - |
| B2 | 0.8 - 1.2 m | Brownish yellow (10YR6/8-Moist); Mottles, 7.5YR58, 2-10% , 0-5mm, Distinct; Mottles, 2-10% ; Sandy light clay; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , Gypseous, , ; Field pH 6 (Raupach, 1.1); |

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 | 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 | |

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Laboratory Analyses Completed for this profile