

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 2319 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|---------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 12/05/94 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8060 GPS | Rainfall: | No Data |
| Northing/Long.: | 7934506 AMG zone: 55 | Runoff: | No Data |
| Easting/Lat.: | 367681 Datum: AGD66 | Drainage: | No Data |

Geology

| | | | |
|-----------------------|---------|------------------------------------|--|
| Exposure Type: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, Igneous rock (unidentified) |

Land Form

| | | | |
|-------------------------|---------------------------------------|------------------------|-----------------|
| Rel/Slope Class: | Gently undulating rises 9-30m 1-3% | Pattern Type: | Rises |
| Morph. Type: | Upper-slope | Relief: | No Data |
| Elem. Type: | Hillslope | Slope Category: | Gently inclined |
| Slope: | 10 % | Aspect: | No Data |

Surface Soil Condition (dry): Soft

Erosion:

Soil Classification

| | | | |
|--|--|--------------------------------|----------------------|
| Australian Soil Classification: | Bleached-Mottled Eutrophic Grey Chromosol Medium Non-gravelly Loamy Clayey Shallow | Mapping Unit: | N/A |
| ASC Confidence: | No analytical data are available but confidence is fair. | Principal Profile Form: | Dy3.42 |
| | | Great Soil Group: | Gleyed podzolic soil |

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Closed or dense. *Species includes - Eragrostis species, Enneapogon species,

Themeda triandra Mid Strata - , , . *Species includes - None recorded

Tall Strata - Tree, 3.01-6m, Sparse. *Species includes - Melaleuca viridiflora

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|---|
| A1 | 0 - 0.08 m | Black (10YR2/1-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); |
| A2e | 0.08 - 0.18 m | Dark brown (7.5YR3/2-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.15); |
| B1 | 0.18 - 0.3 m | Dark greyish brown (10YR4/2-Moist); Mottles, 10YR68, 2-10% , 5-15mm, Distinct; Mottles, 2-10% ; Sandy clay loam; Massive grade of structure; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.25); |
| B2 | 0.3 - 0.45 m | Light yellowish brown (2.5Y6/4-Moist); Substrate influence, 10YR66, 10-20% , 5-15mm, Distinct; Substrate influence, 10-20% ; Medium heavy clay; Strong grade of structure, 10-20 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.4); |
| C | 0.45 - 0.55 m | ; 20-50%, medium gravelly, 6-20mm, angular, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.5); |

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 | Acidity | | | | | % |
| | | | | | | 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