

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 414 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|------------------|
| Desc. By: | M. DeCorte | Locality: | |
| Date Desc.: | 05/09/91 | Elevation: | 220 metres |
| Map Ref.: | Sheet No. : 8157 GPS | Rainfall: | No Data |
| Northing/Long.: | 7775126 AMG zone: 55 | Runoff: | Moderately rapid |
| Easting/Lat.: | 439342 Datum: AGD66 | Drainage: | Well drained |

Geology

| | | | |
|-----------------------|---------|------------------------------------|---------|
| Exposure Type: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | No Data |

Land Form

| | | | |
|-------------------------|-----------------------------------|------------------------|----------------|
| Rel/Slope Class: | Gently undulating plains <9m 1-3% | Pattern Type: | Alluvial plain |
| Morph. Type: | Ridge | Relief: | No Data |
| Elem. Type: | Levee | Slope Category: | No Data |
| Slope: | % | Aspect: | No Data |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Hypocalcic Brown Dermosol Thin Non-gravelly Sandy Clay-loamy Very deep | | Principal Profile Form: | Gn3.23 |
| ASC Confidence: | | Great Soil Group: | No suitable |

All necessary analytical data are available.

Site Disturbance: Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation: Low Strata - Tussock grass, 0.51-1m, Mid-dense. *Species includes - Bothriochloa pertusa, Bothriochloa ewartiana

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

Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|--|
| A1 | 0 - 0.08 m | Dark brown (10YR3/3-Moist); ; Loamy fine sand; Weak grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Diffuse change to - |
| A3 | 0.08 - 0.35 m | Dark brown (10YR3/3-Moist); ; Fine sandy loam; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Diffuse change to - |
| B21 | 0.35 - 1.15 m | Brown (7.5YR4/3-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; Few cutans, <10% of ped faces or walls coated, prominent; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4); Diffuse change to - |
| B22 | 1.15 - 1.6 m | Brown (7.5YR4/4-Moist); ; Sandy clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; Very few (0 - 2 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , ; Field pH 9 (Raupach, 1.2); |
| B23 | 1.6 - 2 m | Brown (7.5YR4/4-Moist); ; Sandy loam; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 9 (Raupach, 2); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

[illegible][illegible][illegible]

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Laboratory Analyses Completed for this profile

| | |
|---------|--|
| 15F1_CA | Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts |
| 15F1_K | Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts |
| 15F1_MG | Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts |
| 15F1_NA | Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts |
| 15F3 | CEC by 0.01M silver-thiourea (AgTU)+ |
| 15N1 | Exchangeable sodium percentage (ESP) |
| 4A1 | pH of 1:5 soil/water suspension |