

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 321 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | M. DeCorte | Locality: | |
| Date Desc.: | 18/07/91 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8255 GPS | Rainfall: | No Data |
| Northing/Long.: | 7642788 AMG zone: 55 | Runoff: | No runoff |
| Easting/Lat.: | 486403 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: | Gently undulating plains <9m 1-3% | Pattern Type: | Plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | 300 degrees |

Surface Soil Condition (dry): Hardsetting

Erosion:

Soil Classification

| | | | |
|--|---|--------------------------------|-------------|
| Australian Soil Classification: | Eutrophic Hypernatric Brown Sodosol Medium Slightly gravelly Loamy Clayey Very deep | Mapping Unit: | N/A |
| ASC Confidence: | All necessary analytical data are available. | Principal Profile Form: | Dy2.53 |
| | | Great Soil Group: | No suitable |

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

Vegetation: Low Strata - Tussock grass, 0.51-1m, Sparse. *Species includes - Chloris species
Mid Strata - , , . *Species includes - None recorded
Tall Strata - , , . *Species includes - None Recorded

Surface Coarse Fragments: 2-10%, cobbly, 60-200mm, rounded, Sandstone

Profile Morphology

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|-----|--------------|--|
| A1 | 0 - 0.1 m | Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Heavy); Strong grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; Strong consistence; 10-20%, medium gravelly, 6-20mm, rounded, dispersed, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 9.5 (Raupach, 0.05); Abrupt, Smooth change to - |
| B1 | 0.1 - 0.25 m | Brown (10YR5/3-Moist); ; Sandy light clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 2-10%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , ; Clear, Smooth change to - |
| B21 | 0.25 - 1.6 m | Yellowish brown (10YR5/4-Moist); ; Medium clay; Weak grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 0-2%, fine gravelly, 2-6mm, rounded, dispersed, Quartz, coarse fragments; Very few (0 - 2 %), Calcareous, Fine (0 - 2 mm), Nodules; , Gypseous, , ; Field pH 6.5 (Raupach, 1.2); Clear, Smooth change to - |
| B22 | 1.6 - 1.8 m | Light yellowish brown (10YR6/4-Moist); ; Sandy light clay; Strong grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; , Calcareous, , , , Gypseous, , ; Field pH 8 (Raupach, 1.8); |

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 |