

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 372 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|--------------|
| Desc. By: | M. DeCorte | Locality: | |
| Date Desc.: | 13/08/91 | Elevation: | No Data |
| Map Ref.: | Sheet No. : 8257 GPS | Rainfall: | No Data |
| Northing/Long.: | 7746098 AMG zone: 55 | Runoff: | No runoff |
| Easting/Lat.: | 475509 Datum: AGD66 | Drainage: | Well drained |

Geology

| | | | |
|----------------------|---------|------------------------------------|-------------------------------|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, Gabbro |

Land Form

| | | | |
|-------------------------|------------------------------|------------------------|--------------------|
| Rel/Slope Class: | Undulating rises 9-30m 3-10% | Pattern Type: | Rises |
| Morph. Type: | Crest | Relief: | No Data |
| Elem. Type: | Hillcrest | Slope Category: | Very gently sloped |
| Slope: | 2 % | Aspect: | 260 degrees |

Surface Soil Condition (dry): Cracking, Firm

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Haplic Supracalcic Grey Dermosol Thin Non-gravelly Clayey Clayey Very shallow | | Principal Profile Form: | Uf6.32 |
| ASC Confidence: | | Great Soil Group: | No suitable |

All necessary analytical data are available.

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Sparse. *Species includes - Bothriochloa pertusa
Mid Strata - Shrub, 0.51-1m, Isolated plants. *Species includes - Eucalyptus erythrophloia
Tall Strata - Tree, 6.01-12m, Sparse. *Species includes - Eucalyptus erythrophloia, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|-----|---------------|---|
| A1 | 0 - 0.02 m | Very dark grey (10YR3/1-Moist); ; Medium heavy clay; Strong grade of structure, 2-5 mm, Granular; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Clear, Smooth change to - |
| B21 | 0.02 - 0.22 m | Very dark grey (10YR3/1-Moist); ; Medium clay; Strong grade of structure, 5-10 mm, Angular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Gradual, Wavy change to - |
| C | 0.22 - 0.8 m | ; Many (20 - 50 %), Calcareous, Fine (0 - 2 mm), Soft segregations; , Gypseous, , ; Field pH 9.9 (Raupach, 0.6); |

Morphological Notes

Observation Notes

Site Notes

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Laboratory Test Results:

| Depth | pH | 1:5 EC | Ca | Exchangeable Mg | Cations K | Na | Exchangeable Acidity | CEC | ECEC | ESP |
|-------------|------|--------|-------|-----------------|-----------|------------|----------------------|-------|------|------|
| m | | dS/m | | | | mol (+)/kg | | | | % |
| 0.02 - 0.22 | 7.5A | | | | | | | | | |
| 0.22 - 0.8 | 8.4A | | 33.9J | 1.8 | 0 | 0.1 | | 24.7I | | 0.40 |

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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 |