

Project Name: Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD
Project Code: DLR **Site ID:** 503 **Observation ID:** 1
Agency Name: QLD Department of Primary Industries

Site Information

| | | | |
|------------------------|----------------------|-------------------|----------------|
| Desc. By: | M.G. Cannon | Locality: | |
| Date Desc.: | 08/04/91 | Elevation: | 280 metres |
| Map Ref.: | Sheet No. : 8258 GPS | Rainfall: | No Data |
| Northing/Long.: | 7804306 AMG zone: 55 | Runoff: | Rapid |
| Easting/Lat.: | 453062 Datum: AGD66 | Drainage: | Poorly drained |

Geology

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|----------------------|---------|------------------------------------|---|
| ExposureType: | No Data | Conf. Sub. is Parent. Mat.: | No Data |
| Geol. Ref.: | No Data | Substrate Material: | Undisturbed soil core, Unconsolidated material (unidentified) |

Land Form

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|-------------------------|-----------------------------------|------------------------|----------------|
| Rel/Slope Class: | Gently undulating plains <9m 1-3% | Pattern Type: | Alluvial plain |
| Morph. Type: | Flat | Relief: | No Data |
| Elem. Type: | Plain | Slope Category: | Level |
| Slope: | 1 % | Aspect: | 180 degrees |

Surface Soil Condition (dry):

Erosion:

Soil Classification

| | | | |
|---|--|--------------------------------|-----------------|
| Australian Soil Classification: | | Mapping Unit: | N/A |
| Eutrophic Hypernatric Red Sodosol Medium Non-gravelly Sandy Clayey Deep | | Principal Profile Form: | Dr1.13 |
| ASC Confidence: | | Great Soil Group: | Red-brown earth |
| Analytical data are incomplete but reasonable confidence. | | | |

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

Vegetation: Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Bothriochloa pertusa, Chloris gayana, Eragrostis species Mid Strata - Tree, 3.01-6m, Very sparse. *Species includes - Eremophila mitchellii, Grevillea striata Tall Strata - Tree, 12.01-20m, Very sparse. *Species includes - Eucalyptus tessellaris, Eucalyptus papuana, Eucalyptus crebra

Surface Coarse Fragments: No surface coarse fragments

Profile Morphology

| | | |
|------|---------------|---|
| A1 | 0 - 0.05 m | Brown (7.5YR4/4-Moist); ; Coarse sand; Massive grade of structure; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Field pH 7 (Raupach, 0.05); Common, fine (1-2mm) roots; Abrupt, Smooth change to - |
| 2A11 | 0.05 - 0.15 m | Brown (7.5YR4/4-Moist); ; Clayey coarse sand; Massive grade of structure; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , , Common, fine (1-2mm) roots; Gradual, Smooth change to - |
| 2A12 | 0.15 - 0.2 m | Reddish brown (5YR4/3-Moist); ; Clayey sand; Massive grade of structure; Smooth-ped fabric; Dry; Very weak consistence; , Calcareous, , , , Gypseous, , , Few, fine (1-2mm) roots; Abrupt, Smooth change to - |
| 2B2 | 0.2 - 0.8 m | Reddish brown (5YR4/4-Moist); ; Clay loam, sandy; Weak grade of structure, 100-200 mm, Columnar; Weak grade of structure, 10-20 mm, Subangular blocky; Moderately moist; Strong consistence; Many (20 - 50 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 0.6); Few, very fine (0-1mm) roots; Clear, Wavy change to - |
| 3B2 | 0.8 - 1.2 m | Yellowish red (5YR4/6-Moist); ; Medium clay; Moderately moist; Very many (50 - 100 %), Manganiferous, Medium (2 -6 mm), Soft segregations; , Calcareous, , , , Gypseous, , , Field pH 9.5 (Raupach, 1.2); |

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

| | |
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| 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 |