

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 725 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

|                        |                      |                   |            |
|------------------------|----------------------|-------------------|------------|
| <b>Desc. By:</b>       | M.G. Cannon          | <b>Locality:</b>  |            |
| <b>Date Desc.:</b>     | 14/08/91             | <b>Elevation:</b> | 290 metres |
| <b>Map Ref.:</b>       | Sheet No. : 8158 GPS | <b>Rainfall:</b>  | No Data    |
| <b>Northing/Long.:</b> | 7809723 AMG zone: 55 | <b>Runoff:</b>    | No Data    |
| <b>Easting/Lat.:</b>   | 396896 Datum: AGD66  | <b>Drainage:</b>  | No Data    |

#### Geology

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

#### Land Form

|                         |                     |                        |           |
|-------------------------|---------------------|------------------------|-----------|
| <b>Rel/Slope Class:</b> | Level plain <9m <1% | <b>Pattern Type:</b>   | Plain     |
| <b>Morph. Type:</b>     | Flat                | <b>Relief:</b>         | No Data   |
| <b>Elem. Type:</b>      | Levee               | <b>Slope Category:</b> | Level     |
| <b>Slope:</b>           | 1 %                 | <b>Aspect:</b>         | 0 degrees |

**Surface Soil Condition (dry):** Hardsetting

#### Erosion:

#### Soil Classification

|   |                                |             |
|---|--------------------------------|-------------|
| <b>Australian Soil Classification:</b>  | <b>Mapping Unit:</b>           | N/A         |
| Haplic Eutrophic Brown Dermosol Thick Non-gravelly Silty Clay-loamy Very deep | <b>Principal Profile Form:</b> | Gn3.22      |
| <b>ASC Confidence:</b>  | <b>Great Soil Group:</b>       | Brown earth |

No analytical data are available but confidence is fair.

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

**Vegetation:** Low Strata - Tussock grass, 1.01-3m, Closed or dense. \*Species includes - Heteropogon contortus, Bothriochloa  
ewartiana, Urochloa mosambicensis Mid Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus tessellaris

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus tessellaris

**Surface Coarse Fragments:** No surface coarse fragments

#### Profile Morphology

|     |               |  |
|-----|---------------|--|
| A1  | 0 - 0.2 m     | Very dark greyish brown (10YR3/2-Moist); ; Silty loam; Massive grade of structure; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.05); Gradual change to -   |
| A3  | 0.2 - 0.35 m  | Dark brown (7.5YR3/3-Moist); ; Fine sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.3); Diffuse change to -   |
| B1  | 0.35 - 0.45 m | Brown (7.5YR4/3-Moist); ; Fine sandy clay loam; Moderate grade of structure, 10-20 mm, Subangular blocky; Strong grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Clear change to -                                   |
| B21 | 0.45 - 0.85 m | Brown (7.5YR4/3-Moist); ; Silty light clay (Light); Strong grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 10-20 mm, Prismatic; Smooth-ped fabric; Dry; Firm consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.6); Diffuse change to -             |
| B22 | 0.85 - 1.3 m  | Strong brown (7.5YR4/5-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Prismatic; Strong grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 1.2); Diffuse change to - |
| B23 | 1.3 - 1.6 m   | Brown (7.5YR4/3-Moist); ; Fine sandy clay loam; Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 1.6);   |

#### 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**

4A1                      pH of 1:5 soil/water suspension