

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1213                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

|                        |                         |                   |                         |
|------------------------|-------------------------|-------------------|-------------------------|
| <b>Desc. By:</b>       | Rogers, Gary            | <b>Locality:</b>  |                         |
| <b>Date Desc.:</b>     | 18/06/92                | <b>Elevation:</b> | No Data                 |
| <b>Map Ref.:</b>       | Sheet No. : 9059    GPS | <b>Rainfall:</b>  | No Data                 |
| <b>Northing/Long.:</b> | 7851333 AMG zone: 55    | <b>Runoff:</b>    | Very slow               |
| <b>Easting/Lat.:</b>   | 353249    Datum: AGD66  | <b>Drainage:</b>  | Moderately well drained |

#### Geology

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

#### Land Form

|                         |                                      |                        |                    |
|-------------------------|--------------------------------------|------------------------|--------------------|
| <b>Rel/Slope Class:</b> | Gently undulating plains <9m<br>1-3% | <b>Pattern Type:</b>   | Alluvial plain     |
| <b>Morph. Type:</b>     | Lower-slope                          | <b>Relief:</b>         | No Data            |
| <b>Elem. Type:</b>      | Fan                                  | <b>Slope Category:</b> | Very gently sloped |
| <b>Slope:</b>           | 3 %                                  | <b>Aspect:</b>         | No Data            |

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

#### Erosion:

#### Soil Classification

|   |  |                                |             |
|---|--|--------------------------------|-------------|
| <b>Australian Soil Classification:</b>  |  | <b>Mapping Unit:</b>           | N/A         |
| Basic Paralithic Bleached-Orthic Tenosol Medium Non-gravelly Sandy Clay-loamy Moderately deep |  | <b>Principal Profile Form:</b> | Uc2.3       |
| <b>ASC Confidence:</b>  |  | <b>Great Soil Group:</b>       | Earthy sand |

All necessary analytical data are available.

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

**Vegetation:**    Low Strata - , , . \*Species includes - Heteropogon contortus, Bothriochloa decipiens  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Eucalyptus polycarpa

**Surface Coarse Fragments:** 0-2%, fine gravelly, 2-6mm, subangular, Quartz

#### Profile Morphology

|     |               |   |
|-----|---------------|---|
| A11 | 0 - 0.08 m    | Very dark greyish brown (10YR3/2-Moist); ; Sandy loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 0-2%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.05); |
| A12 | 0.08 - 0.23 m | Dark greyish brown (10YR4/2-Moist); ; Sandy loam (Light); Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 6 (Raupach, 0.2);      |
| A2e | 0.23 - 0.5 m  | Brown (10YR5/3-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very weak consistence; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.45);                       |
| A3  | 0.5 - 0.65 m  | Yellowish brown (10YR5/4-Moist); ; Clayey sand; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Weak consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.6);                  |
| B3  | 0.65 - 0.7 m  | Brown (10YR5/3-Moist); ; Sandy clay loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Very strong consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , ; Field pH 7.5 (Raupach, 0.7);                 |

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

|            |      |
|------------|------|
| 0 - 0.08   | 6A   |
| 0.23 - 0.5 | 6.1A |
| 0.65 - 0.7 | 6.5A |

0 - 0.08  
0.23 - 0.5  
0.65 - 0.7

0 - 0.08  
0.23 - 0.5  
0.65 - 0.7

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension