

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1523                      **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>     | 14/10/92                | <b>Elevation:</b> | No Data          |
| <b>Map Ref.:</b>       | Sheet No. : 8056    GPS | <b>Rainfall:</b>  | No Data          |
| <b>Northing/Long.:</b> | 7702883 AMG zone: 55    | <b>Runoff:</b>    | Moderately rapid |
| <b>Easting/Lat.:</b>   | 369736    Datum: AGD66  | <b>Drainage:</b>  | Poorly drained   |

#### 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>         | Undisturbed soil core, 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>      | Plain               | <b>Slope Category:</b> | Level   |
| <b>Slope:</b>           | 1 %                 | <b>Aspect:</b>         | No Data |

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

#### Erosion:

#### Soil Classification

|   |  |                                |        |
|---|--|--------------------------------|--------|
| <b>Australian Soil Classification:</b>  |  | <b>Mapping Unit:</b>           | N/A    |
| Bleached Eutrophic Grey Dermosol Medium Non-gravelly<br>Clay-loamy Clayey Moderately deep |  | <b>Principal Profile Form:</b> | Gn3.04 |

|  |  |                          |     |
|--|--|--------------------------|-----|
| <b>ASC Confidence:</b>                                   |  | <b>Great Soil Group:</b> | N/A |
| 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, <0.25m, Very sparse. \*Species includes - Iseilema species, Aristida species  
Mid Strata - Tree, 3.01-6m, Sparse. \*Species includes - Eucalyptus brownii, Grevillea striata  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus brownii, Grevillea striata

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

#### Profile Morphology

|     |              |   |
|-----|--------------|---|
| A11 | 0 - 0.09 m   | Dark brown (10YR3/3-Moist); ; Sandy clay loam; Weak grade of structure, 2-5 mm, Platy; Rough-ped fabric; Dry; Weak consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -   |
| A12 | 0.09 - 0.2 m | Brown (10YR4/3-Moist); ; Clay loam, sandy; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , ; Gypseous, , ; Field pH 5.5 (Raupach, 0.15); Abrupt change to -   |
| A2e | 0.2 - 0.3 m  | Brown (10YR5/3-Moist); ; Clay loam, sandy (Light); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.25); Abrupt change to -   |
| B1j | 0.3 - 0.4 m  | Yellowish brown (10YR5/4-Moist); ; Sandy light clay; Weak grade of structure, 10-20 mm, Subangular blocky; Rough-ped fabric; Dry; Very firm consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.35); Clear change to -                              |
| B2  | 0.4 - 0.6 m  | Dark greyish brown (10YR4/2-Moist); Mottles, 2-10% ; Mottles, 2-10% ; Sandy light clay (Heavy); Moderate grade of structure, 20-50 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; , Calcareous, , , ; Gypseous, , ; Field pH 6 (Raupach, 0.6); |

#### Morphological Notes

#### Observation Notes

#### Site Notes

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**Laboratory Test Results:**

| Depth      | pH   | 1:5 EC |    | Exchangeable Cations | Exchangeable | CEC               | ECEC    | ESP |
|------------|------|--------|----|----------------------|--------------|-------------------|---------|-----|
| m          |      | dS/m   | Ca | Mg                   | K            | Na<br>Cmol (+)/kg | Acidity | %   |
| 0 - 0.09   | 6.2A |        |    |                      |              |                   |         |     |
| 0.09 - 0.2 | 5.8A |        |    |                      |              |                   |         |     |
| 0.2 - 0.3  | 5.9A |        |    |                      |              |                   |         |     |
| 0.4 - 0.6  | 6.5A |        |    |                      |              |                   |         |     |

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension