

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1200 **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> 17/06/92	<b>Elevation:</b> No Data
<b>Map Ref.:</b> Sheet No. : 8059 GPS	<b>Rainfall:</b> No Data
<b>Northing/Long.:</b> 7846974 AMG zone: 55	<b>Runoff:</b> No Data
<b>Easting/Lat.:</b> 375624 Datum: AGD66	<b>Drainage:</b> Poorly 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 1-3%	<b>Pattern Type:</b> Plain
<b>Morph. Type:</b> No Data	<b>Relief:</b> No Data
<b>Elem. Type:</b> Plain	<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
Eutrophic Mottled-Subnatric Grey Sodosol Thick Non-gravelly Loamy Clayey Moderately deep	<b>Principal Profile Form:</b> Dy3.8
<b>ASC Confidence:</b>	<b>Great Soil Group:</b> Solodic soil

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, 0.51-1m, Sparse. \*Species includes - Aristida species, Chrysopogon fallax  
Mid Strata - Tree, 3.01-6m, Isolated plants. \*Species includes - Albizia basaltica, Grevillea striata, Erythroxylon  
australe

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus brownii, Grevillea striata

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

#### Profile Morphology

A11	0 - 0.06 m	Dark brown (7.5YR3/2-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , , Field pH 6 (Raupach, 0.05); Abrupt change to -
A12	0.06 - 0.22 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 5.5 (Raupach, 0.2); Clear change to -
A2e	0.22 - 0.4 m	Brown (7.5YR5/3-Moist); ; Sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Many (20 - 50 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 6.5 (Raupach, 0.3); Abrupt change to -
B21	0.4 - 0.6 m	Greyish brown (10YR5/2-Moist); Mottles, 10YR54, 20-50% , 5-15mm, Faint; Mottles, 20-50% ; Medium clay; Weak grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Ferromanganiferous, Coarse (6 - 20 mm), Nodules; , Calcareous, , , , Gypseous, , , Field pH 7.5 (Raupach, 0.6);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

[illegible][illegible]

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension