

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 1407                      **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>	16/09/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8057    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7764786 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	392835    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>	Alluvial 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>	2 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Grey Dermosol		<b>Principal Profile Form:</b>	Uf6.23
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	Grey clay

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, Mid-dense. \*Species includes - Cyperus species, Dichanthium species  
Mid Strata - , , . \*Species includes - None recorded  
Tall Strata - , , . \*Species includes - None Recorded

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

#### Profile Morphology

A1	0 - 0.09 m	Dark grey (10YR4/1-Moist); ; Medium clay; Moderate grade of structure, 10-20 mm, Polyhedral; Smooth-ped fabric; Dry; , Calcareous, , , , Gypseous, , ; Field pH 5.5 (Raupach, 0.03);
B21	0.09 - 0.35 m	Dark greyish brown (10YR4/2-Moist); Mottles, 7.5YR44, 2-10% , Faint; Mottles, 2-10% ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Dry; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Few (2 - 10 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.2);
B22	0.35 - 0.9 m	Greyish brown (2.5Y5/3-Moist); ; Medium heavy clay; Moderate grade of structure, 20-50 mm, Angular blocky; Smooth-ped fabric; Moderately moist; 2-10%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Nodules; , Calcareous, , , , Gypseous, , ; Field pH 8.5 (Raupach, 0.5);
B23	0.9 - 1.1 m	Yellowish brown (10YR5/4-Moist); ; Sandy medium heavy clay; Weak grade of structure, 20-50 mm, Subangular blocky; Weak grade of structure, 2-5 mm, Polyhedral; Smooth-ped fabric; Moderately moist; Common (10 - 20 %), Manganiferous, Medium (2 -6 mm), Soft segregations; Few (2 - 10 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous;
B24	1.1 - 1.45 m	Light brownish grey (2.5Y6/3-Moist); Mottles, 7.5YR66, 10-20% , Distinct; Mottles, 10-20% ; Sandy medium clay; Massive grade of structure; Earthy fabric; Moderately moist; Common (10 - 20 %), Manganiferous, Coarse (6 - 20 mm), Soft segregations; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Nodules; , Gypseous, , ; Soil matrix is Moderately calcareous; Field pH 8 (Raupach, 1.4);

#### 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