

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 1472 **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

#### Site Information

<b>Desc. By:</b>	Barry, Earl	<b>Locality:</b>	
<b>Date Desc.:</b>	13/10/92	<b>Elevation:</b>	No Data
<b>Map Ref.:</b>	Sheet No. : 8056 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7729522 AMG zone: 55	<b>Runoff:</b>	Rapid
<b>Easting/Lat.:</b>	355307 Datum: AGD66	<b>Drainage:</b>	Moderately well 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>	Undulating rises 9-30m 3-10%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Gently inclined
<b>Slope:</b>	5 %	<b>Aspect:</b>	No Data

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Mottled Eutrophic Brown Chromosol Thin Gravelly Loamy Clayey Shallow	<b>Principal Profile Form:</b>	Dy3.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	No suitable group

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 - Aristida species  
Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Acacia species, Ironbark  
Tall Strata - Tree, 12.01-20m, Very sparse. \*Species includes - Eucalyptus crebra, Eucalyptus papuana

**Surface Coarse Fragments:** 10-20%, medium gravelly, 6-20mm, rounded, Ferricrete

#### Profile Morphology

A1	0 - 0.05 m	Dark brown (10YR3/3-Moist); ; Coarse sandy loam (Heavy); Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 6 (Raupach, 0.05); Clear change to -
B1	0.05 - 0.3 m	Yellowish red (5YR5/6-Moist); Mottles, 7.5YR56, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Light medium clay; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Dry; Strong consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 6.5 (Raupach, 0.25); Gradual change to -
B21	0.3 - 0.45 m	Strong brown (7.5YR5/6-Moist); Mottles, 10YR54, 10-20% , 5-15mm, Distinct; Mottles, 10-20% ; Medium clay; Moderate grade of structure, 10-20 mm, Subangular blocky; Smooth-ped fabric; Dry; Very firm consistence; 20-50%, fine gravelly, 2-6mm, subrounded, Quartz, coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7 (Raupach, 0.4);

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Laboratory Test Results:**

0.05 - 0.3	6.2A
0.3 - 0.45	6.3A

0.05 - 0.3  
0.3 - 0.45

0.05 - 0.3  
0.3 - 0.45

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**Laboratory Analyses Completed for this profile**

4A1                      pH of 1:5 soil/water suspension