

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 707                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

## Site Information

<b>Desc. By:</b>	M.G. Cannon	<b>Locality:</b>	
<b>Date Desc.:</b>	01/08/91	<b>Elevation:</b>	310 metres
<b>Map Ref.:</b>	Sheet No. : 8158    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7809315    AMG zone: 55	<b>Runnoff:</b>	Slow
<b>Easting/Lat.:</b>	440680    Datum: AGD66	<b>Drainage:</b>	Imperfectly 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, Igneous rock (unidentified)

## Land Form

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Simple-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	60 dearees

**Surface Soil Condition (dry):**

**Erosion:**

## Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Hypercalcic Mottled-Subnatric Brown Sodosol Medium Gravelly Sandy Clayey Moderately deep	<b>Principal Profile Form:</b>	Dy3.43
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Solodiz solonet
No analytical data are available but confidence is fair.		

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

<b><u>Vegetation:</u></b>	Low Strata - Tussock grass, 0.26-0.5m, Mid-dense. *Species includes - Chrysopogon fallax, Eragrostis species,
Themeda	
crebra	triandra Mid Strata - Tree, 3.01-6m, Sparse. *Species includes - Eremophila mitchellii, Eucalyptus

Tall Strata - Tree, 12.01-20m, Sparse. \*Species includes - Eucalyptus crebra, Acacia excelsa

**Surface Coarse Fragments:** 10-20%, coarse gravelly, 20-60mm, subrounded, Igneous rock (unidentified)

## Profile Morphology

A11	0 - 0.04 m	Dark greyish brown (10YR4/2-Moist); ; Loamy sand; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Clear, Smooth change to -
A12	0.04 - 0.1 m	Brown (10YR4/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Field pH 5.8 (Raupach, 0.05); Clear, Smooth change to -
A2e	0.1 - 0.13 m	Pale brown (10YR6/3-Moist); ; Sandy loam; Massive grade of structure; Earthy fabric; Dry; Weak consistence; , Calcareous, , , , Gypseous, , ; Abrupt, Smooth change to -
B21	0.13 - 0.38 m	Brown (7.5YR4/4-Moist); Mottles, 7.5YR68, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Medium heavy clay; Moderate grade of structure, 100-200 mm, Columnar; Moderate grade of structure, 50-100 mm, Prismatic; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Igneous rock (unidentified), coarse fragments; , Calcareous, , , , Gypseous, , ; Field pH 7.5 (Raupach, 0.3); Clear, Smooth change to -
B22	0.38 - 0.5 m	Dark yellowish brown (10YR4/4-Moist); Mottles, 10YR56, 20-50% , 5-15mm, Distinct; Mottles, 20-50% ; Medium heavy clay; Strong grade of structure, 20-50 mm, Lenticular; Smooth-ped fabric; Moderately moist; Very strong consistence; 2-10%, medium gravelly, 6-20mm, subrounded, dispersed, Igneous rock (unidentified), coarse fragments; Common cutans, 10-50% of ped faces or walls coated, distinct; Common (10 - 20 %), Calcareous, Medium (2 -6 mm), Soft segregations; , Gypseous, , , ; Field pH 9.5 (Raupach, 0.5);

### Morphological Notes

### Observation Notes

## Site Notes

**Laboratory Test Results:**

[illegible]

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Laboratory Analyses Completed for this profile