

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 506                      **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>	09/04/90	<b>Elevation:</b>	340 metres
<b>Map Ref.:</b>	Sheet No. : 8158    GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7814587 AMG zone: 55	<b>Runoff:</b>	Slow
<b>Easting/Lat.:</b>	445408    Datum: AGD66	<b>Drainage:</b>	Well 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, Granite

**Land Form**

<b>Rel/Slope Class:</b>	Gently undulating plains <9m 1-3%	<b>Pattern Type:</b>	Plain
<b>Morph. Type:</b>	Mid-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Plain	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	3 %	<b>Aspect:</b>	180 degrees

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

**Erosion:**

**Soil Classification**

<b>Australian Soil Classification:</b>		<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Brown Chromosol Very thick Non-gravelly Loamy Clayey Deep		<b>Principal Profile Form:</b>	Dy3.62
<b>ASC Confidence:</b>		<b>Great Soil Group:</b>	No suitable

All necessary analytical data are available.

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

**Vegetation:**    Low Strata - Tussock grass, 0.51-1m, Mid-dense. \*Species includes - Heteropogon contortus, Phynchelytrum repens  
Eucalyptus                      Mid Strata - Tree, 6.01-12m, Very sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, crebra

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

**Surface Coarse Fragments:**

**Profile Morphology**

A1	0 - 0.12 m	Dark greyish brown (10YR4/2-Moist); ; Coarse sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Dry; Loose consistence; , Calcareous, , , , Gypseous, , , ; Field pH 6.5 (Raupach, 0.05); Many, very fine (0-1mm) roots; Diffuse, Smooth change to -
A2	0.12 - 0.45 m	Strong brown (7.5YR4/6-Moist); ; Coarse sandy loam; Massive grade of structure; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.3); Common, very fine (0-1mm) roots; Diffuse, Smooth
A3	0.45 - 0.65 m	Yellowish red (5YR5/8-Moist); ; Coarse sandy clay loam; Weak grade of structure, 20-50 mm, Subangular blocky; Sandy (grains prominent) fabric; Moderately moist; Very weak consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.6); Common, very fine (0-1mm) roots; Clear, Wavy change to -
B2	0.65 - 1.2 m	Yellowish brown (10YR5/8-Moist); Mottles, 10YR6/3, 10-20% , 5-15mm, Faint; Mottles, 10-20% ; Medium clay; Weak grade of structure, 100-200 mm, Columnar; Rough-ped fabric; Moderately moist; Firm consistence; , Calcareous, , , , Gypseous, , , ; Field pH 7 (Raupach, 0.9); Field pH 7 (Raupach, 1.2); Few, very fine (0-1mm) roots; Gradual, Irregular change to -
C	1.2 - 1.4 m	; Moderately moist; Weak consistence; , Calcareous, , , , Gypseous, , , ;

**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**

15F1_CA	Exchangeable bases by 0.01M silver-thiourea (AgTU)+, no pretreatment for soluble salts
15F1_K	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_MG	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F1_NA	Exchangeable bases by 0.01m (AgTU)+, no pretreatment for soluble salts
15F3	CEC by 0.01M silver-thiourea (AgTU)+
15N1	Exchangeable sodium percentage (ESP)
4A1	pH of 1:5 soil/water suspension