

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR **Site ID:** 511 **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>	10/04/91	<b>Elevation:</b>	260 metres
<b>Map Ref.:</b>	Sheet No. : 8158 GPS	<b>Rainfall:</b>	No Data
<b>Northing/Long.:</b>	7788852 AMG zone: 55	<b>Runoff:</b>	Moderately rapid
<b>Easting/Lat.:</b>	443395 Datum: AGD66	<b>Drainage:</b>	Moderately 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, Granodiorite

#### Land Form

<b>Rel/Slope Class:</b>	Gently undulating rises 9-30m 1-3%	<b>Pattern Type:</b>	Rises
<b>Morph. Type:</b>	Upper-slope	<b>Relief:</b>	No Data
<b>Elem. Type:</b>	Hillslope	<b>Slope Category:</b>	Very gently sloped
<b>Slope:</b>	2 %	<b>Aspect:</b>	30 degrees

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

#### Erosion:

#### Soil Classification

<b>Australian Soil Classification:</b>	<b>Mapping Unit:</b>	N/A
Haplic Eutrophic Red Chromosol Medium Non-gravelly Clay-loamy Clayey Shallow	<b>Principal Profile Form:</b>	Dr2.12
<b>ASC Confidence:</b>	<b>Great Soil Group:</b>	Non-calcic brown soil
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,  
Dichanthium sericeum Mid Strata - Tree, 3.01-6m, Very sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, Eucalyptus crebra  
Tall Strata - Tree, 6.01-12m, Sparse. \*Species includes - Eucalyptus erythrophloia, Eucalyptus papuana, Eucalyptus

#### Surface Coarse Fragments:

#### Profile Morphology

A1	0 - 0.05 m	Dark brown (7.5YR3/2-Moist); ; Sandy clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Very weak consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.05); Common, very fine (0-1mm) roots; Clear, Smooth
A3	0.05 - 0.12 m	Dark brown (7.5YR3/3-Moist); ; Clay loam, sandy; Moderate grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Few, very fine (0-1mm) roots; Clear, Smooth change to -
B2	0.12 - 0.45 m	Red (10R4/6-Moist); ; Medium clay; Strong grade of structure, 2-5 mm, Angular blocky; Smooth-ped fabric; Moderately moist; Very firm consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.3); Few, very fine (0-1mm) roots; Clear, Smooth change to -
BC	0.45 - 0.65 m	Yellowish red (5YR5/6-Moist); ; Sandy clay loam; Weak grade of structure, 5-10 mm, Subangular blocky; Smooth-ped fabric; Moderately moist; Firm consistence; 10-20%, fine gravelly, 2-6mm, subrounded, Granite, coarse fragments; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.6); Few, medium (2-5mm) roots; Gradual, Wavy change to -
C	0.65 - 0.8 m	; Weak grade of structure, 5-10 mm, Subangular blocky; Earthy fabric; Moderately moist; Weak consistence; , Calcareous, , , Gypseous, , ; Field pH 7 (Raupach, 0.8); Clear change to -

#### Morphological Notes

#### Observation Notes

#### Site Notes

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrymple Shire, QLD  
**Project Code:** DLR                      **Site ID:** 511                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**Laboratory Test Results:**

[illegible][illegible][illegible]

**Project Name:** Preliminary Assessment and Survey of Land Degradation in the Dalrypmle Shire, QLD  
**Project Code:** DLR                      **Site ID:** 511                      **Observation ID:** 1  
**Agency Name:** QLD Department of Primary Industries

**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